LOMAX
EXPLORATION
COMPANY

November 18, 1983

State of Utah
Division of Oil and Gas
4241 State Office Building
Salt Lake City, Utah 84114

LOMAX EXPLORATION COMPANY
APD/NTL-6 Transmittal

Gentlemen:

Enclosed are APD/NTL-6's for the following well locations:

Castle Peak Federal #10-23, NW/SE S23-T9S-R16E

Castle Peak Federal #8-23, SE/NE S23-T9S-R16E

Castle Peak Federal #6-23, SE/NW S23-T9S-R16E

Coyote Ute Tribal #10-9, NW/SE S9-T4S-R4W

Coyote Ute Tribal #10-17, NW/SE S17-T4S-R4W

A copy of the approved Application to Appropriate Water is enclosed for the #10-23, #8-23 and #6-23 wells.

It is requested that a copy of the approval be mailed to Lomax's Roosevelt office at P.O. Box 1446, Roosevelt, Utah 84066.

Plese advise if you need additional information.

Very truly yours,

Michele Tisdel

Michele Tisdel
Sec., V.P. Drilling & Production

MT
Enclosures (15)

333 North Belt East • Suite 880 • Houston, Texas 77060 • 713/931-9276
Mailing Address: P.O. Box 4503 • Houston, Texas 77210-4503

District Office: 248 North Union • Roosevelt, Utah 84066
Mailing Address: P.O. Box 1446 •Roosevelt, Utah 84066

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME: Castle Peak Federal

2. NAME OF OPERATOR: Lomax Exploration Company

9. WELL NO.: 6-23

3. ADDRESS OF OPERATOR: P.O. Box 4503, Houston, TX 77210

10. FIELD AND POOL, OR WILDCAT: ~~Undesignated~~ MONUMENT BUTTE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1970' FWL & 1980' FNL SE/NW
At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 23, T9S, R16E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 19 miles South of Myton, Utah

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1970

16. NO. OF ACRES IN LEASE: 1200

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1325

19. PROPOSED DEPTH: 5500 GREEN RIVER

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5725' GR

22. APPROX. DATE WORK WILL START*: January, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	300	To Surface
7 7/8	5 1/2	17	TD	As Required

RECEIVED
NOV 23 1983
DIV. OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED G. L. Pruitt TITLE V.P. Drilling & Production DATE 11/16/83

(This space for Federal or State office use)

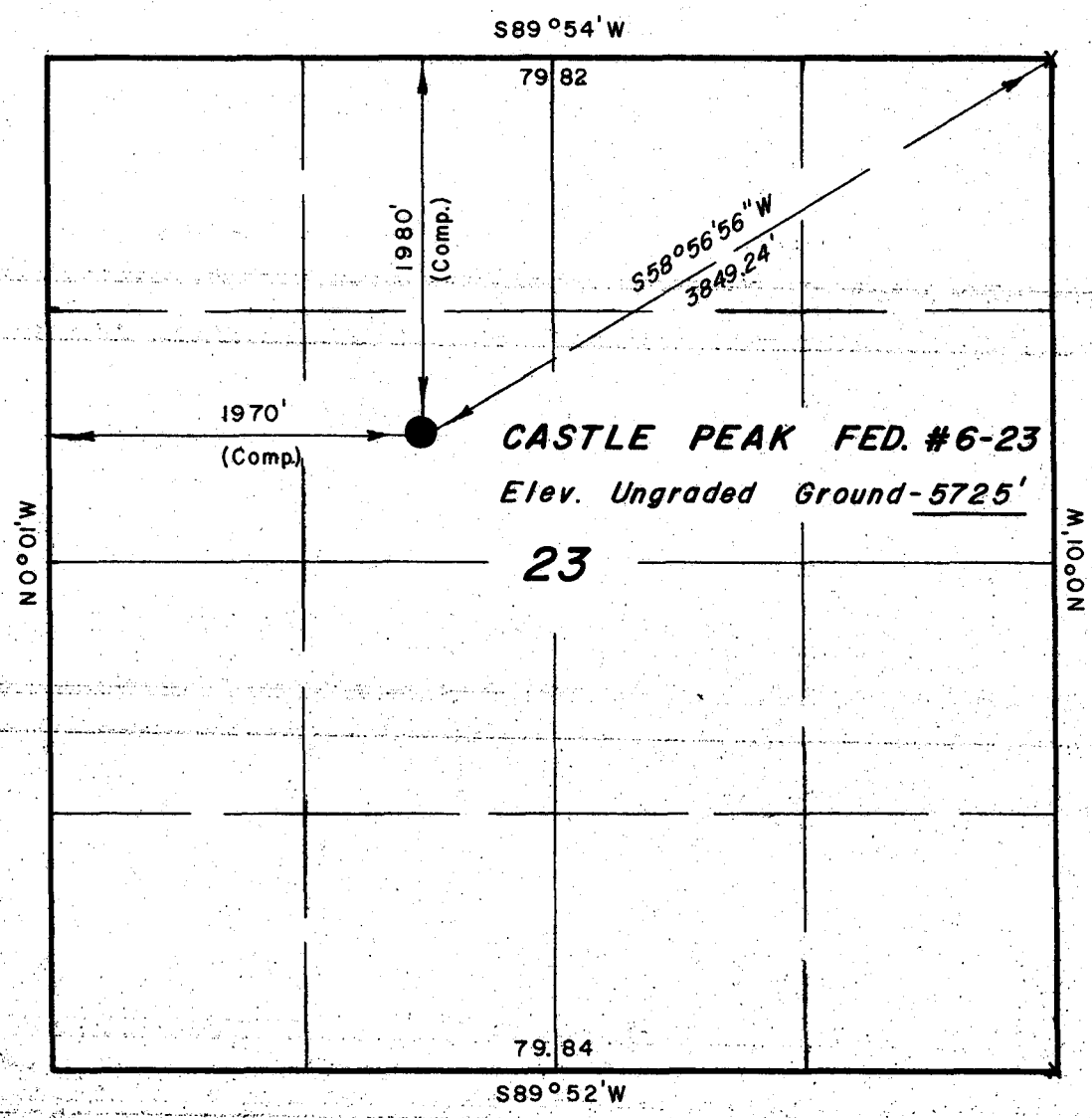
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

T 9 S, R 16 E, S.L.B.&M.



X = Section Corners Located

PROJECT

LOMAX EXPLORATION CO.

Well location, *CASTLE PEAK FED. #6-23*, located as shown in the SE 1/4 NW 1/4, Section 23, T 9 S, R 16 E, S.L.B.&M. Duchesne County, Utah.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Kay

REGISTERED LAND SURVEYOR
REGISTRATION Nº 5709
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q – 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10/27/83
PARTY R.K. J.F. SB	REFERENCES GLO Plat
WEATHER Fair	FILE LOMAX

TEN POINT WELL PROGRAM

LOMAX EXPLORATION COMPANY
Castle Peak Federal #6-23
SE/NW Section 23, T9S, R16E
Duchesne County, Utah

1. GEOLOGIC SURFACE FORMATION:

   Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0 - 3185
Green River	3185
Wasatch	6225

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River	4900 - Oil

4. PROPOSED CASING PROGRAM:

   8 5/8", J-55, 24#; set at 300'
   5 1/2", J-55, 17#; set at TD
   All casing will be new

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

   The operators minimum specifications for pressure control equipment are as follows:

   A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operation will be checked daily. (See exhibit A)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

   It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor that any other abnormal hazards such as H_2S gas will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately January, 1984.

LOMAX EXPLORATION

13 Point Surface Use Plan

For

Well Location

Castle Peak Fed. #6-23

Located In

Section 23, T9S, R16E, S.L.B. & M.

Duchesne County, Utah

LOMAX EXPLORATION
Castle Peak Fed. #6-23
Section 23, T9S, R16E, S.L.B.& M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION well location site Castle Peak Fed. #6-23 located in the SE 1/4 NW 1/4 Section 23, T9S, R16E, S.L.B.& M., Duchesne County, Utah:

Proceed Westerly out of Vernal, Utah along U.S. Highway 40 - 1.6 miles ± to the Junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 -10.3 miles to its junction with an existing dirt road to the Southwest; proceed Southwesterly along this road 5.5 miles to its junction with the proposed access road to be discussed In Item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to a point where Highway 216 exists to the South; thereafter the road is constructed with existing materilas and gravels. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in, and range from clays to a sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the SE 1/4 NW 1/4 Section 23, T9S, R16E, S.L.B.& M., and proceeds in a Southwesterly direction approximately 300 ± to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this access road.

There will be no turnouts required along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There are approximately four known wells within a one mile radius of this location site. (See Topographic Map"B".) There are also numerous other wells, the exact location of which are not known to us.

There are no known water wels, shut-in wells for other resourses within a one mile radius.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are approximately three existing LOMAX EXPLORATION wells within a one mile radius of this location site. These locations have the following production facilities - two 400 barrel tanks, line heaters, pumping units and heater traces.

A tank battery site will be set up at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing battery in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the propsed facilities. If there is any deviation from the above, all approporiate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck from a private water source that is indicated on Topo. Map "A".

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHOD OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none forseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be

stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site shall be reseeded with a seed mixture recommended by the surface owner when the moisture content of the soil is adequate for germination. The Lessee further convenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 19 miles to the Southeast of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uintah formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennialnature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area in only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegatation that is found in the area is common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B")

Castle Peak Fed. #6-23 is located approximately 3.0 miles North of Big Wash a non-perennial drainage which runs to the East.

The terrain in the vicinity of the location slopes from the Southwest through the location site to the Northeast at approximately 4.7% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B".)

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Jack Pruitt
LOMAX EXPLORATION
333 North Belt East , Ste. 880
Houston, TX 77060

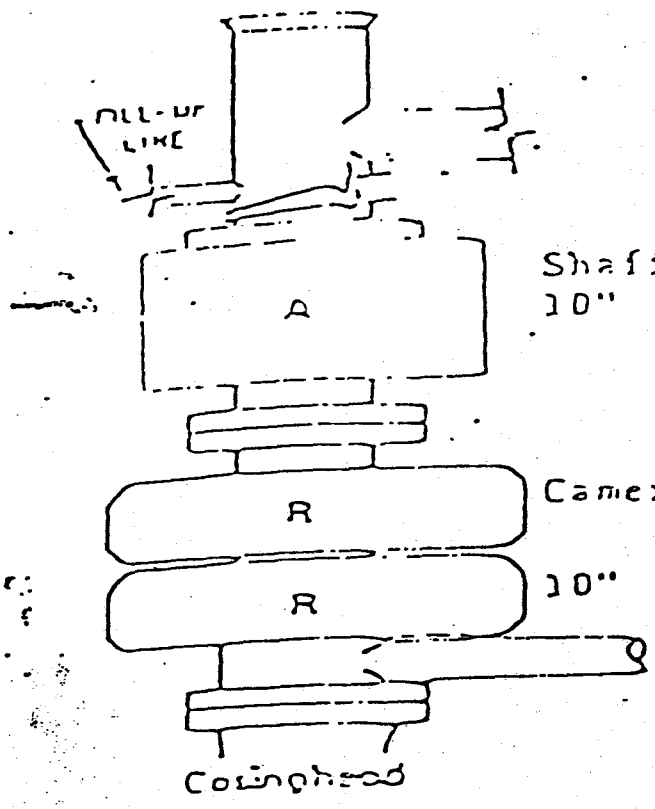
1-713-931-9276

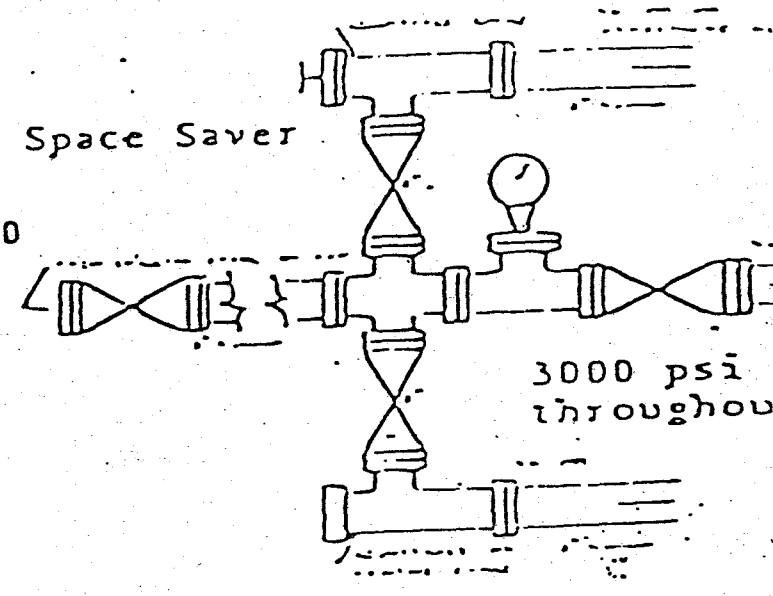
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by LOMAX EXPLORATION and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date 11/17/83

Jack Pruitt

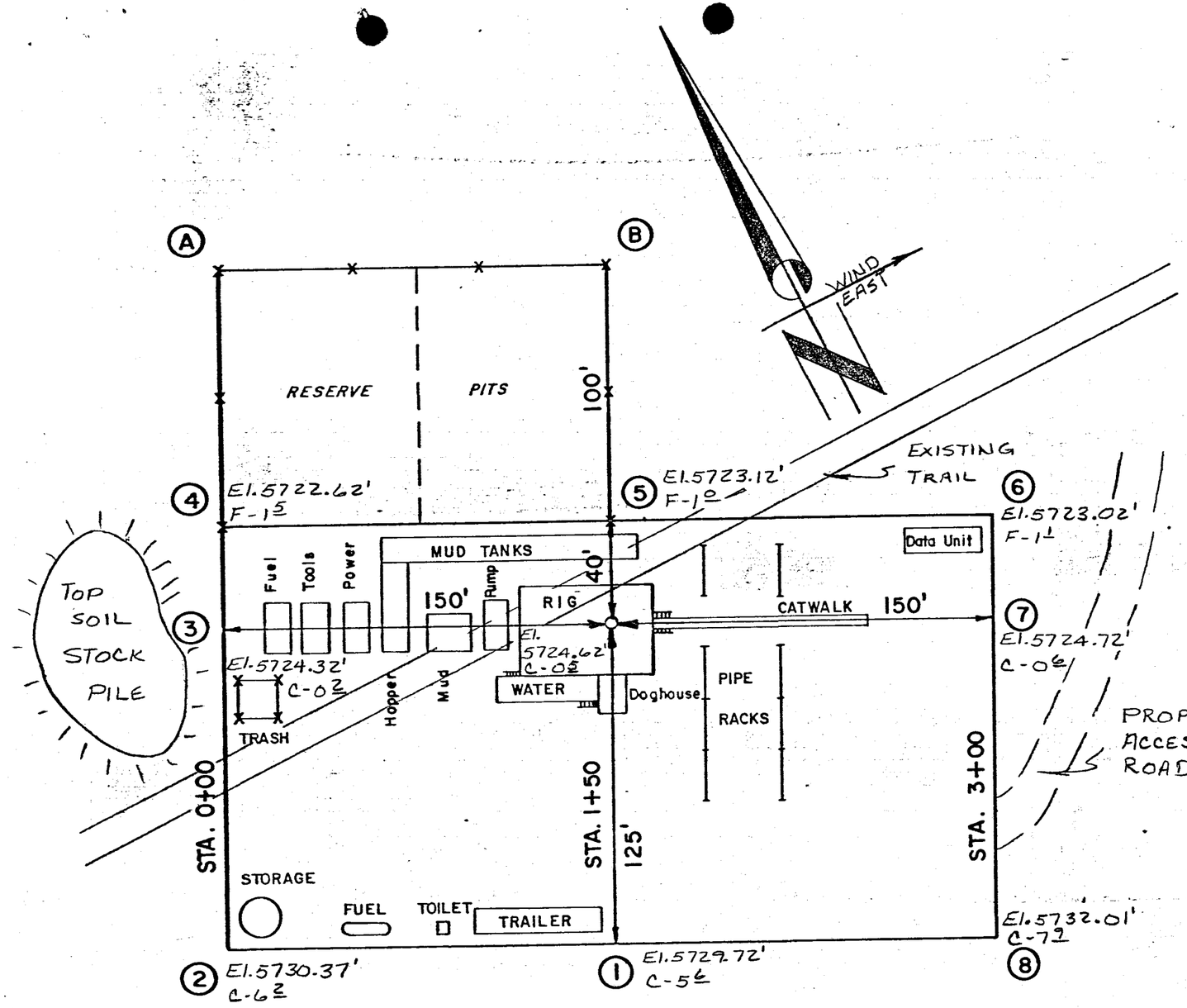

KILL-OUT LINE
A
Shaffer Spherical
10" 900
R
Cameron Space Saver
R
10" 900
Cowghead


3000 psi
throughou

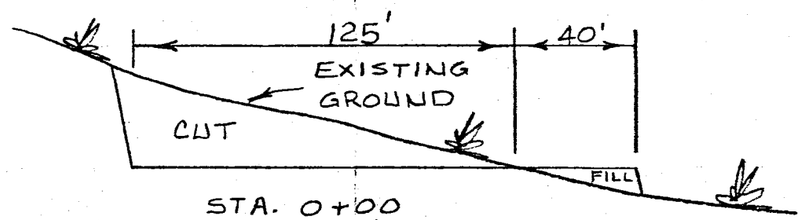
LOMAX EXPLORATION CO.

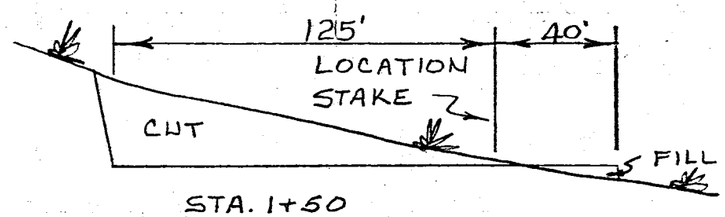
CASTLE PEAK FED. #6-23

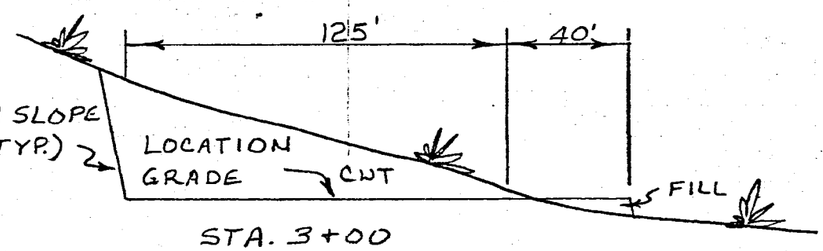
LOCATION LAYOUT & CUT SHEET



CROSS SECTIONS

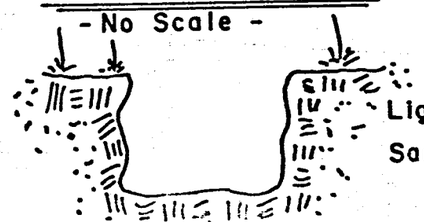


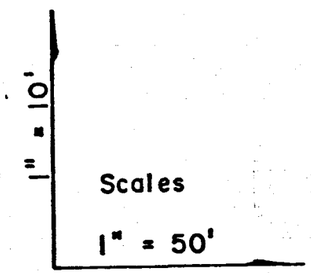




SOILS LITHOLOGY

- No Scale -





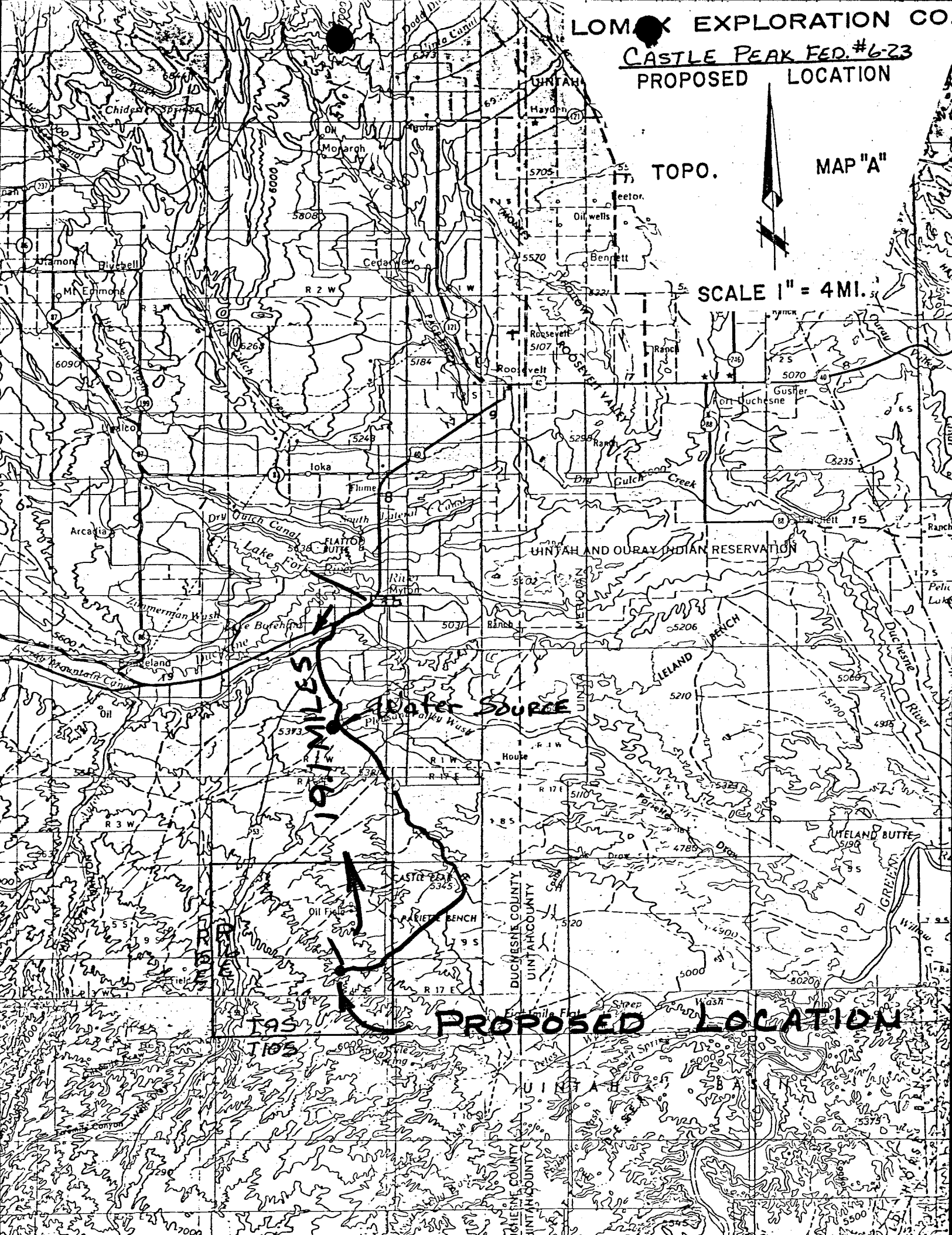
Scales

1" = 50'

APPROXIMATE YARDAGES

Cubic Yards Cut - 5,299

Cubic Yards Fill - 222


LOMAX EXPLORATION CO.
CASTLE PEAK FED. #6-23
PROPOSED LOCATION
TOPO. MAP "A"
SCALE 1" = 4MI.
UINTAH AND OURAY INDIAN RESERVATION
10 MILES
Water Source
PROPOSED LOCATION
UINTAH BASIN
Hayden
Monarch
Chidester Springs
Mt. Emmons
Blydell
Cedarview
Bennett
Roosevelt
Fort Duchesne
Gusher
Ioka
Flume
Arcadia
Myton
Ranch
Oil wells
Oil Field
Pleasant Valley Wash
Dry Gulch Creek
Lake Fork River
Duchesne River
Uinta River
Green River
Willow Creek
Leland Bench
Pariette Bench
Castle Peak
Leland Butte
Duchesne County
Uintah County
Roosevelt Valley
Dry Gulch Canal
Zimmerman Wash
Pariette Wash
Dry Wash
Sheep Wash
Petes Wash
Devil Spring
Fivemile Flat
R 2 W
R 1 W
R 1 E
R 2 E
R 3 W
R 17 E
T 5 S
T 6 S
T 7 S
T 8 S
T 9 S
T 10 S
T 15 S
T 16 S
T 17 S
T 18 S
T 19 S
T 20 S
T 21 S
T 22 S
T 23 S
T 24 S
T 25 S
T 26 S
T 27 S
T 28 S
T 29 S
T 30 S
T 31 S
T 32 S
T 33 S
T 34 S
T 35 S
T 36 S
T 37 S
T 38 S
T 39 S
T 40 S
T 41 S
T 42 S
T 43 S
T 44 S
T 45 S
T 46 S
T 47 S
T 48 S
T 49 S
T 50 S
T 51 S
T 52 S
T 53 S
T 54 S
T 55 S
T 56 S
T 57 S
T 58 S
T 59 S
T 60 S
T 61 S
T 62 S
T 63 S
T 64 S
T 65 S
T 66 S
T 67 S
T 68 S
T 69 S
T 70 S
T 71 S
T 72 S
T 73 S
T 74 S
T 75 S
T 76 S
T 77 S
T 78 S
T 79 S
T 80 S
T 81 S
T 82 S
T 83 S
T 84 S
T 85 S
T 86 S
T 87 S
T 88 S
T 89 S
T 90 S
T 91 S
T 92 S
T 93 S
T 94 S
T 95 S
T 96 S
T 97 S
T 98 S
T 99 S
T 100 S
T 101 S
T 102 S
T 103 S
T 104 S
T 105 S
T 106 S
T 107 S
T 108 S
T 109 S
T 110 S
T 111 S
T 112 S
T 113 S
T 114 S
T 115 S
T 116 S
T 117 S
T 118 S
T 119 S
T 120 S
T 121 S
T 122 S
T 123 S
T 124 S
T 125 S
T 126 S
T 127 S
T 128 S
T 129 S
T 130 S
T 131 S
T 132 S
T 133 S
T 134 S
T 135 S
T 136 S
T 137 S
T 138 S
T 139 S
T 140 S
T 141 S
T 142 S
T 143 S
T 144 S
T 145 S
T 146 S
T 147 S
T 148 S
T 149 S
T 150 S
T 151 S
T 152 S
T 153 S
T 154 S
T 155 S
T 156 S
T 157 S
T 158 S
T 159 S
T 160 S
T 161 S
T 162 S
T 163 S
T 164 S
T 165 S
T 166 S
T 167 S
T 168 S
T 169 S
T 170 S
T 171 S
T 172 S
T 173 S
T 174 S
T 175 S
T 176 S
T 177 S
T 178 S
T 179 S
T 180 S
T 181 S
T 182 S
T 183 S
T 184 S
T 185 S
T 186 S
T 187 S
T 188 S
T 189 S
T 190 S
T 191 S
T 192 S
T 193 S
T 194 S
T 195 S
T 196 S
T 197 S
T 198 S
T 199 S
T 200 S
T 201 S
T 202 S
T 203 S
T 204 S
T 205 S
T 206 S
T 207 S
T 208 S
T 209 S
T 210 S
T 211 S
T 212 S
T 213 S
T 214 S
T 215 S
T 216 S
T 217 S
T 218 S
T 219 S
T 220 S
T 221 S
T 222 S
T 223 S
T 224 S
T 225 S
T 226 S
T 227 S
T 228 S
T 229 S
T 230 S
T 231 S
T 232 S
T 233 S
T 234 S
T 235 S
T 236 S
T 237 S
T 238 S
T 239 S
T 240 S
T 241 S
T 242 S
T 243 S
T 244 S
T 245 S
T 246 S
T 247 S
T 248 S
T 249 S
T 250 S
T 251 S
T 252 S
T 253 S
T 254 S
T 255 S
T 256 S
T 257 S
T 258 S
T 259 S
T 260 S
T 261 S
T 262 S
T 263 S
T 264 S
T 265 S
T 266 S
T 267 S
T 268 S
T 269 S
T 270 S
T 271 S
T 272 S
T 273 S
T 274 S
T 275 S
T 276 S
T 277 S
T 278 S
T 279 S
T 280 S
T 281 S
T 282 S
T 283 S
T 284 S
T 285 S
T 286 S
T 287 S
T 288 S
T 289 S
T 290 S
T 291 S
T 292 S
T 293 S
T 294 S
T 295 S
T 296 S
T 297 S
T 298 S
T 299 S
T 300 S
T 301 S
T 302 S
T 303 S
T 304 S
T 305 S
T 306 S
T 307 S
T 308 S
T 309 S
T 310 S
T 311 S
T 312 S
T 313 S
T 314 S
T 315 S
T 316 S
T 317 S
T 318 S
T 319 S
T 320 S
T 321 S
T 322 S
T 323 S
T 324 S
T 325 S
T 326 S
T 327 S
T 328 S
T 329 S
T 330 S
T 331 S
T 332 S
T 333 S
T 334 S
T 335 S
T 336 S
T 337 S
T 338 S
T 339 S
T 340 S
T 341 S
T 342 S
T 343 S
T 344 S
T 345 S
T 346 S
T 347 S
T 348 S
T 349 S
T 350 S
T 351 S
T 352 S
T 353 S
T 354 S
T 355 S
T 356 S
T 357 S
T 358 S
T 359 S
T 360 S
T 361 S
T 362 S
T 363 S
T 364 S
T 365 S
T 366 S
T 367 S
T 368 S
T 369 S
T 370 S
T 371 S
T 372 S
T 373 S
T 374 S
T 375 S
T 376 S
T 377 S
T 378 S
T 379 S
T 380 S
T 381 S
T 382 S
T 383 S
T 384 S
T 385 S
T 386 S
T 387 S
T 388 S
T 389 S
T 390 S
T 391 S
T 392 S
T 393 S
T 394 S
T 395 S
T 396 S
T 397 S
T 398 S
T 399 S
T 400 S
T 401 S
T 402 S
T 403 S
T 404 S
T 405 S
T 406 S
T 407 S
T 408 S
T 409 S
T 410 S
T 411 S
T 412 S
T 413 S
T 414 S
T 415 S
T 416 S
T 417 S
T 418 S
T 419 S
T 420 S
T 421 S
T 422 S
T 423 S
T 424 S
T 425 S
T 426 S
T 427 S
T 428 S
T 429 S
T 430 S
T 431 S
T 432 S
T 433 S
T 434 S
T 435 S
T 436 S
T 437 S
T 438 S
T 439 S
T 440 S
T 441 S
T 442 S
T 443 S
T 444 S
T 445 S
T 446 S
T 447 S
T 448 S
T 449 S
T 450 S
T 451 S
T 452 S
T 453 S
T 454 S
T 455 S
T 456 S
T 457 S
T 458 S
T 459 S
T 460 S
T 461 S
T 462 S
T 463 S
T 464 S
T 465 S
T 466 S
T 467 S
T 468 S
T 469 S
T 470 S
T 471 S
T 472 S
T 473 S
T 474 S
T 475 S
T 476 S
T 477 S
T 478 S
T 479 S
T 480 S
T 481 S
T 482 S
T 483 S
T 484 S
T 485 S
T 486 S
T 487 S
T 488 S
T 489 S
T 490 S
T 491 S
T 492 S
T 493 S
T 494 S
T 495 S
T 496 S
T 497 S
T 498 S
T 499 S
T 500 S
T 501 S
T 502 S
T 503 S
T 504 S
T 505 S
T 506 S
T 507 S
T 508 S
T 509 S
T 510 S
T 511 S
T 512 S
T 513 S
T 514 S
T 515 S
T 516 S
T 517 S
T 518 S
T 519 S
T 520 S
T 521 S
T 522 S
T 523 S
T 524 S
T 525 S
T 526 S
T 527 S
T 528 S
T 529 S
T 530 S
T 531 S
T 532 S
T 533 S
T 534 S
T 535 S
T 536 S
T 537 S
T 538 S
T 539 S
T 540 S
T 541 S
T 542 S
T 543 S
T 544 S
T 545 S
T 546 S
T 547 S
T 548 S
T 549 S
T 550 S
T 551 S
T 552 S
T 553 S
T 554 S
T 555 S
T 556 S
T 557 S
T 558 S
T 559 S
T 560 S
T 561 S
T 562 S
T 563 S
T 564 S
T 565 S
T 566 S
T 567 S
T 568 S
T 569 S
T 570 S
T 571 S
T 572 S
T 573 S
T 574 S
T 575 S
T 576 S
T 577 S
T 578 S
T 579 S
T 580 S
T 581 S
T 582 S
T 583 S
T 584 S
T 585 S
T 586 S
T 587 S
T 588 S
T 589 S
T 590 S
T 591 S
T 592 S
T 593 S
T 594 S
T 595 S
T 596 S
T 597 S
T 598 S
T 599 S
T 600 S
T 601 S
T 602 S
T 603 S
T 604 S
T 605 S
T 606 S
T 607 S
T 608 S
T 609 S
T 610 S
T 611 S
T 612 S
T 613 S
T 614 S
T 615 S
T 616 S
T 617 S
T 618 S
T 619 S
T 620 S
T 621 S
T 622 S
T 623 S
T 624 S
T 625 S
T 626 S
T 627 S
T 628 S
T 629 S
T 630 S
T 631 S
T 632 S
T 633 S
T 634 S
T 635 S
T 636 S
T 637 S
T 638 S
T 639 S
T 640 S
T 641 S
T 642 S
T 643 S
T 644 S
T 645 S
T 646 S
T 647 S
T 648 S
T 649 S
T 650 S
T 651 S
T 652 S
T 653 S
T 654 S
T 655 S
T 656 S
T 657 S
T 658 S
T 659 S
T 660 S
T 661 S
T 662 S
T 663 S
T 664 S
T 665 S
T 666 S
T 667 S
T 668 S
T 669 S
T 670 S
T 671 S
T 672 S
T 673 S
T 674 S
T 675 S
T 676 S
T 677 S
T 678 S
T 679 S
T 680 S
T 681 S
T 682 S
T 683 S
T 684 S
T 685 S
T 686 S
T 687 S
T 688 S
T 689 S
T 690 S
T 691 S
T 692 S
T 693 S
T 694 S
T 695 S
T 696 S
T 697 S
T 698 S
T 699 S
T 700 S
T 701 S
T 702 S
T 703 S
T 704 S
T 705 S
T 706 S
T 707 S
T 708 S
T 709 S
T 710 S
T 711 S
T 712 S
T 713 S
T 714 S
T 715 S
T 716 S
T 717 S
T 718 S
T 719 S
T 720 S
T 721 S
T 722 S
T 723 S
T 724 S
T 725 S
T 726 S
T 727 S
T 728 S
T 729 S
T 730 S
T 731 S
T 732 S
T 733 S
T 734 S
T 735 S
T 736 S
T 737 S
T 738 S
T 739 S
T 740 S
T 741 S
T 742 S
T 743 S
T 744 S
T 745 S
T 746 S
T 747 S
T 748 S
T 749 S
T 750 S
T 751 S
T 752 S
T 753 S
T 754 S
T 755 S
T 756 S
T 757 S
T 758 S
T 759 S
T 760 S
T 761 S
T 762 S
T 763 S
T 764 S
T 765 S
T 766 S
T 767 S
T 768 S
T 769 S
T 770 S
T 771 S
T 772 S
T 773 S
T 774 S
T 775 S
T 776 S
T 777 S
T 778 S
T 779 S
T 780 S
T 781 S
T 782 S
T 783 S
T 784 S
T 785 S
T 786 S
T 787 S
T 788 S
T 789 S
T 790 S
T 791 S
T 792 S
T 793 S
T 794 S
T 795 S
T 796 S
T 797 S
T 798 S
T 799 S
T 800 S
T 801 S
T 802 S
T 803 S
T 804 S
T 805 S
T 806 S
T 807 S
T 808 S
T 809 S
T 810 S
T 811 S
T 812 S
T 813 S
T 814 S
T 815 S
T 816 S
T 817 S
T 818 S
T 819 S
T 820 S
T 821 S
T 822 S
T 823 S
T 824 S
T 825 S
T 826 S
T 827 S
T 828 S
T 829 S
T 830 S
T 831 S
T 832 S
T 833 S
T 834 S
T 835 S
T 836 S
T 837 S
T 838 S
T 839 S
T 840 S
T 841 S
T 842 S
T 843 S
T 844 S
T 845 S
T 846 S
T 847 S
T 848 S
T 849 S
T 850 S
T 851 S
T 852 S
T 853 S
T 854 S
T 855 S
T 856 S
T 857 S
T 858 S
T 859 S
T 860 S
T 861 S
T 862 S
T 863 S
T 864 S
T 865 S
T 866 S
T 867 S
T 868 S
T 869 S
T 870 S
T 871 S
T 872 S
T 873 S
T 874 S
T 875 S
T 876 S
T 877 S
T 878 S
T 879 S
T 880 S
T 881 S
T 882 S
T 883 S
T 884 S
T 885 S
T 886 S
T 887 S
T 888 S
T 889 S
T 890 S
T 891 S
T 892 S
T 893 S
T 894 S
T 895 S
T 896 S
T 897 S
T 898 S
T 899 S
T 900 S
T 901 S
T 902 S
T 903 S
T 904 S
T 905 S
T 906 S
T 907 S
T 908 S
T 909 S
T 910 S
T 911 S
T 912 S
T 913 S
T 914 S
T 915 S
T 916 S
T 917 S
T 918 S
T 919 S
T 920 S
T 921 S
T 922 S
T 923 S
T 924 S
T 925 S
T 926 S
T 927 S
T 928 S
T 929 S
T 930 S
T 931 S
T 932 S
T 933 S
T 934 S
T 935 S
T 936 S
T 937 S
T 938 S
T 939 S
T 940 S
T 941 S
T 942 S
T 943 S
T 944 S
T 945 S
T 946 S
T 947 S
T 948 S
T 949 S
T 950 S
T 951 S
T 952 S
T 953 S
T 954 S
T 955 S
T 956 S
T 957 S
T 958 S
T 959 S
T 960 S
T 961 S
T 962 S
T 963 S
T 964 S
T 965 S
T 966 S
T 967 S
T 968 S
T 969 S
T 970 S
T 971 S
T 972 S
T 973 S
T 974 S
T 975 S
T 976 S
T 977 S
T 978 S
T 979 S
T 980 S
T 981 S
T 982 S
T 983 S
T 984 S
T 985 S
T 986 S
T 987 S
T 988 S
T 989 S
T 990 S
T 991 S
T 992 S
T 993 S
T 994 S
T 995 S
T 996 S
T 997 S
T 998 S
T 999 S
T 1000 S

LOMAX EXPLORATION CO.

CASTLE PEAK FED. #16-23

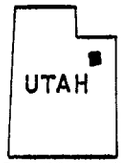
PROPOSED LOCATION

TOPO. MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, improved surface ———— Unimproved road fair or dry weather ========



QUADRANGLE LOCATION

TRAIL
JEEP
MONUMENT BUTTE OIL FIELD
Castle Peak
Wash
Draw
2.3 MILES
U.S. 40 15 MILES
MYTON 16.7 MILES
R 16 E
R 17 E
T 8 S
PARIETTE
BM 5315

PROPOSED ACCESS ROAD 300' ±

PROPOSED LOCATION
CASTLE PEAK FED. #6-23

T9S
T10S

Form 97 2M 10-70

Application No. 57707

APPLICATION TO APPROPRIATE WATER
STATE OF UTAH

47- 1675

NOTE:--The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation [XX] Domestic [ ] Stockwatering [XX] Municipal [ ] Power [ ] Mining [ ] Other Uses [XX]
2. The name of the applicant is Joe Shields
3. The Post Office address of the applicant is Myton, Utah 84052
4. The quantity of water to be appropriated .015 second-feet and/or _____ acre-feet
5. The water is to be used for Stockwatering & Other (Major Purpose) from Jan. 1 (Month) (Day) to Dec. 31 (Month) (Day)
   other use period Irrigation (Minor Purpose) from Apr. 1 (Month) (Day) to Oct. 31 (Month) (Day)
   and stored each year (if stored) from _____ (Month) (Day) to _____ (Month) (Day)
6. The drainage area to which the direct source of supply belongs is _____ (Leave Blank)
7. The direct source of supply is* Drain (Name of stream or other source)
   which is tributary to _____, tributary to _____

*Note.--Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Duchesne County, situated at a point* West 400 ft. South 200 ft. from E¼ Cor. Sec. 15, T4S,R2W, USB&M (3½ Miles SW of Myton)
   Myton Road

*Note.--The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of a collection Ditch to place of use
10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____ area inundated in acres _____ legal subdivision of area inundated _____
11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows: NE¼SE¼ Sec. 15, T4S,R2W, USB&M
    Total .25 Acres
12. Is the land owned by the applicant? Yes X No _____ If "No," explain on page 2.
13. Is this water to be used supplementally with other water rights? Yes _____ No X
    If "yes," identify other water rights on page 2.
14. If application is for power purposes, describe type of plant, size and rated capacity. _____
15. If application is for mining, the water will be used in _____ Mining District at the _____ mine, where the following ores are mined _____
16. If application is for stockwatering purposes, number and kind of stock watered 320 Cattle in NE¼SE¼ Sec. 15, T4S,R2W, USB&M
17. If application is for domestic purposes, number of persons _____, or families _____
18. If application is for municipal purposes, name of municipality _____
19. If application is for other uses, include general description of proposed uses Irrigation
20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. used in Myton Oil field in Pleasant Valley
21. The use of water as set forth in this application will consume .015 second-feet and/or acre-feet of water and None second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: _____

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

Signature of Applicant*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, County of Uintah } ss

On the 10th day of May, 1982, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

(Seal) THEODORE BALDWIN NOTARY PUBLIC Commission Expires Oct. 20, 1982 State of Utah

Notary Public

RECEIVED
MAY 13 19
WATER RIGHTS

FEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost	
0.0 to 0.1	$ 15.00	
over 0.1 to 0.5	30.00	
over 0.5 to 1.0	45.00	
over 1.0 to 15.0	45.00	plus $7.50 for each cfs above the first cubic foot per second.
over 15.0	150.00	

Storage — acre-feet		
0 to 20	22.50	
over 20 to 500	45.00	
over 500 to 7500	45.00	plus $7.50 for each 500 a.f. above the first 500 acre feet.
over 7500	150.00	

(This section is not to be filled in by applicant)

1:45 p.m

STATE ENGINEER'S ENDORSEMENTS

1. May 10, 1982 Application received by mail / over counter in State Engineer's office by TWB
2. ..... Priority of Application brought down to, on account of .....
3. 5/14/82 Application fee, $ 15.00, received by J.A. Rec. No. 13745
4. 5-26-82 Application microfilmed by A.N. Roll No. 987-2
5. 5/18/82 Indexed by J.A. Platted by .....
6. May 10, 1982 Application examined by TWB
7. ..... Application returned, ... or corrected by office .....
8. ..... Corrected Application resubmitted by mail / over counter to State Engineer's office.
9. May 10, 1982 Application approved for advertisement by TWB
10. JUL 15 1982 Notice to water users prepared by (illegible)
11. JUL 22 1982 Publication began; was completed AUG 5 1982
    Notice published in Uintah Basin Standard
12. ..... Proof slips checked by .....
13. ..... Application protested by .....
14. 8/20/82 Publisher paid by M.E.V. No. 03/023
15. ..... Hearing held by .....
16. ..... Field examination by .....
17. 9-10-82 Application designated for approval / rejection WW 5.6.
18. 9/24/82 Application copied or photostated by slf proofread by .....
19. 9/24/82 Application approved / ~~rejected~~
20. **Conditions:**

    This Application is approved, subject to prior rights, as follows:

    a. Actual construction work shall be diligently prosecuted to completion.

    b. Proof of Appropriation shall be submitted to the State Engineer's office by 6/30/86

    c. .....

    Earl M. Staker
    For Dee C. Hansen, P.E., State Engineer

21. ..... Time for making Proof of Appropriation extended to .....
22. ..... Proof of Appropriation submitted.
23. ..... Certificate of Appropriation, No. ....., issued

Application No. 57707

OPERATOR Lomax DATE 11/28/83

WELL NAME Castle Peak Federal #6-23

SEC SE NW 23 T 9S R 16E COUNTY Duchesne

43-013-30873
API NUMBER

Federal
TYPE OF LEASE

POSTING CHECK OFF:

☐ INDEX ☐ MAP ☐ HL

☐ NID ☐ ☐ PI

PROCESSING COMMENTS:
WATER # 47-1675

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 11-29-83
BY:

✓ CHIEF PETROLEUM ENGINEER REVIEW:
11/30/83

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT ☐ c-3-a _____ CAUSE NO. & DATE

☒ c-3-b ☐ c-3-c

SPECIAL LANGUAGE:

[✓] RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

[✓] AUTHENTICATE LEASE AND OPERATOR INFORMATION

[✓] VERIFY ADEQUATE AND PROPER BONDING

[✓] AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

[ ] APPLY SPACING CONSIDERATION

- [ ] ORDER NO
- [ ] UNIT NO
- [X] c-3-b
- [ ] c-3-c

[ ] CHECK DISTANCE TO NEAREST WELL.

[✓] CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

[✓] IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

[✓] IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

[✓] VERIFY LEGAL AND SUFFICIENT DRILLING WATER

November 30, 1983

Lomax Exploration Company
P. O. Box 4503
Houston, Texas 77210

RE: Well No. Castle Peak Fed. 6-23
SENW SEc. 23, T. 9S, R. 16E
1980' FNL, 1970' FWL
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30873.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: Branch of Fluid Minerals
Encl.

Form 8-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Castle Peak Federal

9. WELL NO.: 6-23

10. FIELD AND POOL, OR WILDCAT: Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 23, T9S, R16E

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Lomax Exploration Company

3. ADDRESS OF OPERATOR: P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1970' FWL & 1980' FNL SE/NW
At proposed prod. zone:

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 19 miles South of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1970

16. NO. OF ACRES IN LEASE: 1200

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1325

19. PROPOSED DEPTH: 5500

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5725' GR

22. APPROX. DATE WORK WILL START*: January, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	300	To Surface
7 7/8	5 1/2	17	TD	As Required

RECEIVED
APR 19 1984
DIVISION OF OIL
GAS & MINING

APR 1984 RECEIVED Vernal, Utah

DEC 1983 RECEIVED Vernal, Utah

RECEIVED
UTAH STATE OFFICE
1983 NOV 23 AM 9 38
DEPT. OF INTERIOR
BUR. OF LAND MGMT.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED G. L. Pruitt TITLE V.P. Drilling & Production DATE 11/16/83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE DISTRICT MANAGER DATE 4/13/84

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL
UT 080 - 4M-072

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

State Oil, Gas & Mining

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Lomax Exploration Well No. 6-23

Location Sec. 23 T 9S R 16E Lease No. U-15855

Onsite Inspection Date 4-3-84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notifed, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producting status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

All travel will be confined to existing access road rights-of-way.

Location of Tank Batteries and Production Facilities:

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1 1/2 times the storage capacity of the battery.

Tank batteries will be placed on the west end of the location.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Construction material will be located on lease.

Methods of Handling Waste Disposal:

The reserve pit will not be lined.

Burning will not be allowed. All trash must be contained and disposed of by a trash cage and hauled to a sanitary landfill.

Produced waste water will be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

Ancillary Facilities:

Camp facilities will not be required.

The stockpiled topsoil will be stored on the north end.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

Plans for Restoration of Surface:

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage. Also, if broadcast, the amount of seed should be proportionately larger to total 14 pounds per acre.

The following seed mixture will be used:

Oryzopsis hymenoides		1 lb/acre
Agropyron cristatum		1 lb/acre
Poa secunda		1 lb/acre
Kochia prostrata		2 lbs/acre
Atriplex confertifolia		2 lbs/acre
Ceratoides lanata		2 lbs/acre
	Total	9 lbs/acre

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

Rotate the location 180 degrees to put the pit on the uphill side of the location.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

CONDITIONS OF APPROVAL

The Vernal District Petroleum Engineers have reviewed the Application for Permit to Drill for technical adequacy and concur with the down hole portion of the request providing the following stipulations are included as a part of the approval:

1. Double Ram Hydraulic BOP's will be pressure tested to a minimum of 2,100 psi. Hydril Bag type BOP will be pressure tested to a minimum of 1,500 psi.

2. Cement top for the long string will be at least to the top of the Green River formation.

3. Logs will be run through the Mahogany zone for oil shale.

w/ok

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: LOMAX

WELL NAME: CASTLE PEAK FEDERAL 6-23

SECTION SENW 23 TOWNSHIP 9S RANGE 16E COUNTY DUCHESNE

DRILLING CONTRACTOR WESTBURN

RIG # 58

SPUDDED: DATE 7-11-84 (SURFACE)
7-30-84

TIME 5:15 AM

HOW ROTARY

DRILLING WILL COMMENCE

REPORTED BY JAN HERTFELDER

TELEPHONE # 931-9276

DATE 7-30-84 SIGNED GL

LOMAX
EXPLORATION
COMPANY

October 23, 1984

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Completion Report
Castle Peak Federal #6-23
SE/NW Sec. 23, T9S, R16E

Gentlemen:

Please find, enclosed (2) copies of the Completion Report on the above subject well. Also enclosed are copies of the CBL, DL and CDL-CNL logs.

If you have any questions, please advise.

Very truly yours,

LOMAX EXPLORATION COMPANY

Jodie S. Faulkner
Production Technician

cc: State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Lomax Exploration Company
Houston, TX
and
Roosevelt, UT

RECEIVED
OCT 26 1984
DIVISION OF OIL
GAS & MINING

Division Office: 50 West Broadway • Suite 1200 • Salt Lake City, Utah 84101 • 801/322-5009
Mailing Address: P.O. Box 511060 • Salt Lake City, Utah 84151-1061

District Office: West Pole Line Road • Roosevelt, Utah 84066
Mailing Address: P.O. Box 1446 • Roosevelt, Utah 84066

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
OCT 26 1984
DIVISION OF OIL GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: U-15855
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Castle Peak Federal
9. WELL NO.: #6-23
10. FIELD AND POOL, OR WILDCAT: Monument Butte ~~Undesignated~~
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 23, T9S, R16E

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: Lomax Exploration Company
3. ADDRESS OF OPERATOR: 50 West Broadway, Salt Lake City, Utah, 84101
4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)
At surface: 1970' FWL & 1980' Fnl SE/NW
At top prod. interval reported below
At total depth

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-013-30873	11-30-83	Duchesne	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
7/30/84	8/7/84	8/28/84	5725'GR	5725' GR

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5500'	5444'		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Green River 4926-30 4933-37 4940-45 4947-49

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: CBL/VDL/GR DLL CDN

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	295' GL	13"	210 sx cl "G" & 2% CaCl & Flocele	
5 1/2"	17#	5496'	7 7/8"	120 sx Lodense & 250 sx Gypseal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	4985'	N/A

31. PERFORATION RECORD (*Interval, size and number*)
4926'-30 (1 JSPF)
4933-37 (1 JSPF)
4940-45 (1 JSPF)
4947-49 (1 JSPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4926-30	28,500 gal KCL water &
4933-37	96,500 # of 20/40 sd
4940-45	
4947-49	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
09/11/84	Pumping	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/11/84	72 hrs	N/A		189	372	18	196

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
20#	25#		63	124	6	32

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Used for fuel, vented and sold
TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: Copies of Cement Bond Log, Dual Laterolog, and Compensated Density/Compensated Neutron Log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Production Technician DATE 10-19-84

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DOUGLAS CREEK MBR	4435'	4468'	No cores or DST
BLUE SAND	4468'	4510'	
YELLOW	4510'	4534'	
ORANGE	4602'	4630'	
A_1	4897'	4916'	
A_2	4924'	4953'	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
GREEN SHALE	4055'	
DOUGLAS CREEK	4435'	
CARBONATE	4772'	
BLACK SHALE	5090'	
CASTLE PEAK LIME	5297'	

N0580

LOMAX TEST REPORT — Month of November 1987

Well Name	TEST Date	BOPD	MCFD [1]	GOR	CURRENT MONTH (bbls oil) Production Ceiling	Actual Production	Over (Under)	Next Month [2] Ceiling
43-013-30660 SOW 8S 17E 20 Boundary Federal #9-20	Temporarily Abandoned							
8S 17E 20 43-013-30667 SOW #15-20	Temporarily Abandoned							
43-047-31272 POW 7S 21E 8 Brennan Bottom #15-8	11-25-87	7	1	171	NA	NA	NA	NA
43-013-30756 POW 5S 4W 2 Brundage Canyon #16-2	11-10-87	5	44	8784	NA	NA	NA	NA
5S 4W 15 43-013-30842 POW #14-15	11-06-87	4	33	7904	NA	NA	NA	NA
5S 4W 16 43-013-30841 POW #16-16	11-03-87	8	12	1536	NA	NA	NA	NA
5S 4W 21 43-013-30829 POW #8-21	11-18-87	34	182	5360	868	790	(78)	800
5S 4W 22 43-013-30755 POW #4-22	11-16-87	20	31	1514	NA	NA	NA	NA
S. Brundage Can. #4-27	11-05-87	61	97	1578	NA	NA	NA	NA
5S 4W 29 43-013-30964 POW #1-29	11-13-87	7	5	816	NA	NA	NA	NA
5S 4W 30 43-013-30948 POW #1-30	11-09-87	4	4	1024	NA	NA	NA	NA
43-013-30873 POW 9S 16E 23 Castle Peak Fed. #6-23	11-01-87	16	20	1250	NA	NA	NA	NA
9S 16E 23 43-013-30662 POW #7-23	11-01-87	9	28	3111	NA	NA	NA	NA
8S 17E 23 43-047-31543 POW #9-23	11-01-87	5	9	1800	NA	NA	NA	NA
9S 16E 24 43-013-30588 POW #12-24	SHUT-IN							
43-013-30933 POW 5S 4W 19 S. Cottonwood R. #1-19	11-07-87	29	18	631	NA	NA	NA	NA
5S 4W 20 43-013-30966 POW #1-20	11-05-87	24	14	604	NA	NA	NA	NA
43-013-30861 POW 4S 4W 9 Coyote Canyon #10-9	SHUT-IN							
4S 5W 12 43-013-30922 POW #16-12	SHUT-IN							

. Flared or Vented
. Incorporates GOR formula & over/under amount

Signature: [signature]
Title: Production Technician
Date: 12-18-87

FORM 10

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

KEBBIE JONES
LOMAX EXPLORATION COMPANY
PO BOX 1446
ROOSEVELT UT 84066

UTAH ACCOUNT NUMBER: N0580

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT ☐ **(Highlight Changes)**

Well Name / API Number / Entity / Location	Producing Zone	Well Status	Days Oper	Production Volumes OIL(BBL)	GAS(MCF)	WATER(BBL)
CASTLE PK FED 12-24 4301330588 02650 09S 16E 24	GRRV			U15855		
FEDERAL 9-23 4301330654 02655 09S 16E 23	GRRV			"		
FEDERAL 13-21 4301330665 02660 08S 17E 21	GRRV			U50376		
FEDERAL #1-1 4301330571 02685 09S 16E 1	GRRV			~~U40652~~	UTU72104	Lease Segregated
BOUNDARY FEDERAL 7-20 4301330750 08407 08S 17E 20	GRRV			U50376		
BOUNDARY FEDERAL 9-20 4301330690 08408 08S 17E 20	GRRV			"		
UNDARY FEDERAL 15-20 4301330667 08409 08S 17E 20	GRRV			"		
CASTLE PEAK FED 6-23 4301330873 09700 09S 16E 23	GRRV			U15855		
WELLS DRAW STATE 7-36 4301330934 09730 08S 15E 36	GRRV			ML 21835		
PLEASANT VALLEY #1 4301330394 10520 08S 16E 21	GRRV			U071572A	SL-071572A	
JENSEN #1 4301316208 10521 08S 16E 21	GRRV			SL071572A		
LAMBERT FEDERAL #1 4301316207 10522 08S 16E 22	GRRV			U065914	SL-065914	
FEDERAL 6-33 4301330747 10628 08S 16E 33	GRRV			U34173		
			TOTALS			

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge. Date:

Name and Signature: Telephone Number:

Lomax Exploration Company
A subsidiary of Inland Resources Inc.

LOMAX

July 13, 1995

State of Utah Department of Natural Resources
Attention: Ms Becky Pritchet
355 W. North Temple
3 Triad Center, Suite 400
Salt Lake City, Utah 84180-1204

RE: **Corporate Name Change**

Dear Sir or Madame:

Effective July 1, 1995, Lomax Exploration Company will have taken the steps necessary to change its name to **Inland Production Company**. A Certificate issued by the Texas Secretary of State evidencing the name change is attached for your files. We have also attached to this letter those Utah State leases (Exhibit "B") and wells (Exhibit "A") affected by this name change. We have attempted to provide a complete list from the records we have. The intent is to include all leases and wells that Lomax Exploration Company operates or has an interest in.

Riders changing the Principal from Lomax Exploration Company to Inland Production Company under Nationwide Oil and Gas Bond # 4488944 for Lomax Exploration Company will be furnished to the State of Utah in the very near future.

Please amend your records by substituting Inland Production Company in place of Lomax Exploration Company on the leases and wells listed on the attached exhibits. In the future we will begin submitting notices and permits for new operations after July 1, 1995 in the name of Inland Production Company.

Should a fee be required or should you need further information or documents relating to our name change please contact the undersigned at your convenience at the following number: (303) 292-0900 or Cheryl Cameron at our Roosevelt, Utah office (801) 722-5103.

Sincerely yours,

Chris A Potter, CPL
Manager of Land

file:g\chris\cp4041a.doc

The State of Texas

Secretary of State

JUNE 30, 1995

MIKE PARSONS...GLAST,PHILLIPS & MURRAY
2200 ONE GALLERIA TWR,13355 NOEL RD,LB48
DALLAS ,TX 75240-6657

RE:
INLAND PRODUCTION COMPANY
CHARTER NUMBER 00415304-00

IT HAS BEEN OUR PLEASURE TO APPROVE AND PLACE ON RECORD YOUR ARTICLES OF AMENDMENT. A COPY OF THE INSTRUMENT FILED IN THIS OFFICE IS ATTACHED FOR YOUR RECORDS.

THIS LETTER WILL ACKNOWLEDGE PAYMENT OF THE FILING FEE.

IF WE CAN BE OF FURTHER SERVICE AT ANY TIME, PLEASE LET US KNOW.

VERY TRULY YOURS,

Antonio O. Garza, Jr., Secretary of State

The State of Texas

Secretary of State

CERTIFICATE OF AMENDMENT

FOR

INLAND PRODUCTION COMPANY

FORMERLY

LOMAX EXPLORATION COMPANY
CHARTER NUMBER 00415304

THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS, HEREBY CERTIFIES THAT THE ATTACHED ARTICLES OF AMENDMENT FOR THE ABOVE NAMED ENTITY HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED, AS SECRETARY OF STATE, AND BY VIRTUE OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS CERTIFICATE OF AMENDMENT.

DATED JUNE 29, 1995

EFFECTIVE JUNE 29, 1995

Antonio O. Garza, Jr., Secretary of State

ARTICLES OF AMENDMENT TO THE ARTICLES OF INCORPORATION OF LOMAX EXPLORATION COMPANY

FILED
In the Office of the
Secretary of State of Texas
JUN 29 1995
Corporations Section

Pursuant to the provisions of Part Four of the Texas Business Corporation Act, the undersigned corporation adopts the following articles of amendment to its Articles of Incorporation:

1. Name. The name of the corporation is LOMAX EXPLORATION COMPANY.

2. Statement of Amendment. The amendment alters or changes Article One of the original Articles of Incorporation to read in full as follows:

"Article One. The name of the corporation is INLAND PRODUCTION COMPANY."

3. Shareholders. The number of shares of the corporation outstanding at the time of such adoption was 205,315, there being 107,546 Common Shares and 97,769 Non-voting Preferred Shares; and the number of shares entitled to vote thereon was 107,546.

4. Adoption by Shareholders. Only the holders of Common Shares of the corporation are entitled to vote on the amendment. The shareholders adopted the foregoing amendment by unanimous written consent dated June 23, 1995, pursuant to the provisions of Article 9.10 of the Texas Business Corporation Act and, therefore, no notice was required to be delivered under said Article 9.10.

5. Adoption by Board of Directors. The Board of Directors adopted said amendment by a consent in writing signed by all Directors.

6. Future Effective Date. This amendment will become effective on July 1, 1995, at 12:01 a.m.

EXECUTED June 26, 1995.

Kyle R. Miller, President

S:\CLIENT-N\09004\10\LOMAX_AMD

Lomax Exploration Company
A subsidiary of Inland Resources Inc.

Lomax

Announcing

Our Name Change

From

Lomax Exploration Company

To

Inland Production Company

*N5160 assigned 7/26/95. Lee

Field And Corporate Office Locations Remain The Same:

Corporate Office:
Inland Resources Inc.
475 Seventeenth Street, Suite 1500
Denver, CO 80202

Field Office:
W. Pole Line Road
P.O. Box 1446
Roosevelt, Utah 84066

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3100
SL-065914 et al
(UT-923)

NOTICE

Inland Production Company	:	Oil and Gas Leases
475 Seventeenth St., Ste. 1500	:	SL-065914 et al
Denver, Colorado 80202	:	

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Lomax Exploration Company to Inland Production Company on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

For our purposes, the name change is recognized effective June 29, 1995 (Secretary of State's approval date).

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Lomax Exploration Company to Inland Production Company on Bond No. 4488944 (BLM Bond No. UT0056). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to this office. BLM Bond Nos. MT0771 and WY0821 should also be changed for the bonds held by Montana and Wyoming respectively.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral
Leasing Adjudication

Enclosure
1-Exhibit (1 p)

cc: Hartford Accident & Indemnity Co.
Hartford Plaza
Hartford, CT 06115

bc: Moab District Office
Vernal District Office
Montana State Office
Wyoming State Office
Eastern States Office
MMS--Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
State of Utah, Attn: Lisha Cordova, Division of Oil, Gas & Mining,
355 West North Temple, 3 Triad Center, Suite 350, SLC, UT 84180
Teresa Thompson (UT-922)
Dianne Wright (UT-923)

EXHIBIT

SL-065914	U-36846	UTU-66185
SL-071572A	U-38428	UTU-67170
U-02458	U-45431	UTU-68548
U-15855	U-47171	UTU-69060
U-16535	U-50376	UTU-69061
U-26026	U-62848	UTU-72103
U-34173	UTU-65965	UTU-72104
U-36442	UTU-66184	UTU-73088

FAX COVER SHEET

Inland
RESOURCES INC.
475 17th Street, Suite 1500
Denver, CO 80202
303-292-0900, Fax #303-296-4070

DATE: August 8, 1995

TO: Lisha Cordova

COMPANY: State of Utah - Division of Oil, Gas and Mining

FAX NUMBER: 801 359 3940

FROM: Chris A Potter

NUMBER OF PAGES: 1 (INCLUDING COVER SHEET):

RE: Transfer of Authority to Inject
Lomax Exploration Company to Inland Production Company

I hope the info I sent to you August 1st was acceptable regarding our name change and your phone call to me last week.....

If there is anything missing or you need additional info, please let me know. I am located in our Denver office.....

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: (GIL)
1-LEC 7-PL
2-LWP 8-SJ
3-DTS 9-FILE
4-VLD
5-RJF
6-LWP

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

XX Change of Operator (well sold)
☐ Designation of Operator
☐ Designation of Agent
☐ Operator Name Change Only

(MERGER)

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 6-29-95)

TO (new operator) INLAND PRODUCTION COMPANY
(address) PO BOX 1446
ROOSEVELT UT 84066
KEBBIE JONES
phone (801) 722-5103
account no. N 5160

FROM (former operator) LOMAX EXPLORATION COMPANY
(address) PO BOX 1446
ROOSEVELT UT 84066
KEBBIE JONES
phone (801) 722-5103
account no. N 0580

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: 013-30873	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:

OPERATOR CHANGE DOCUMENTATION

Lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 7-14-95)

N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).

Lec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____. (7-28-95)

Lec 4. **(For Indian and Federal Wells ONLY)** The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.

Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (7-31-95)

Lwp 6. Cardex file has been updated for each well listed above. 8-16-95

Lwp 7. Well file labels have been updated for each well listed above. 8-22-95

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (7-31-95)

Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

– OVER –

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ___ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) Trust Lands Admin. / Rider or Repl. in Progress.

N/A/Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

___ 2. A copy of this form has been placed in the new and former operators' bond files.

___ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19___.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

OTS 2. Copies of documents have been sent to State Lands for changes involving **State leases.** 8/23/95 Sent to Ed Bonner

FILMING

✓ 1. All attachments to this form have been microfilmed. Date: August 30 19 95.

FILING

___ 1. Copies of all attachments to this form have been filed in each well file.

___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950726 Blm/SL Aprv. eff. 6-29-95.

WE71/34-35

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: U-15855

6. If Indian, Allottee or Tribe Name: NA

7. If Unit or CA, Agreement Designation: NA

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: CASTLE PEAK FED 6-23

9. API Well No.: 43-013-30873

2. Name of Operator: INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area: MONUMENT BUTTE

3. Address and Telephone No.: 475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

11. County or Parish, State: DUCHESNE COUNTY, UTAH

4. Location of Well (Footage, Sec., T., R., m., or Survey Description): 1980 FNL 1970 FWL SE/NW Section 23, T09S R16E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Site Security**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.

RECEIVED
NOV 02 1998
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Debbie E. Knight Title Manager, Regulatory Compliance Date 10/28/98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

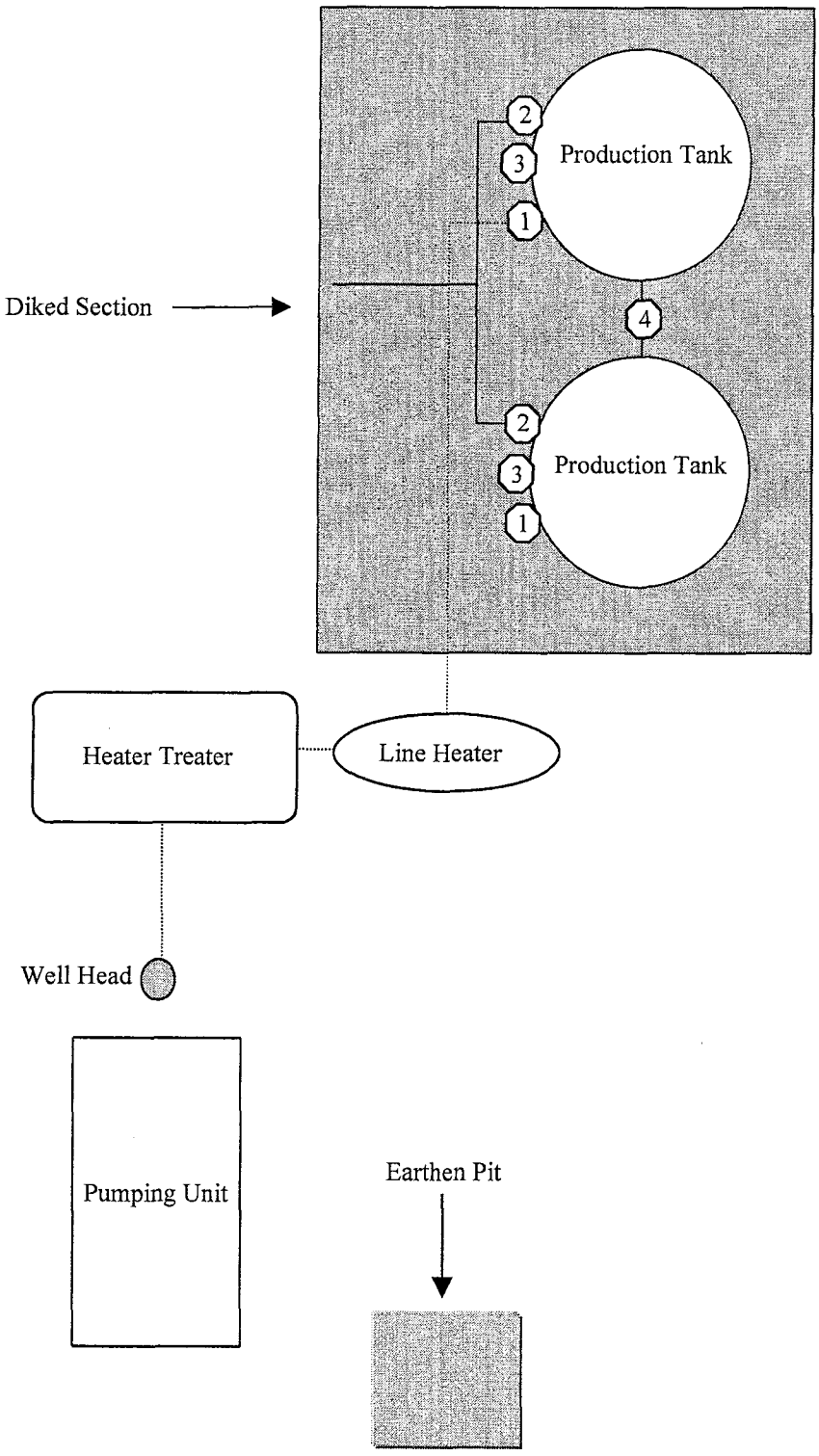
Inland Production Company
Site Facility Diagram

Castle Peak 6-23

SE/NW Sec. 23, T9S, 16E

Duchesne County

Sept. 17, 1998



Legend

Emulsion Line	.....
Load Line	———
Water Line	—·—·—·—
Gas Sales	—··—··—··

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

Production Phase:

1) Valves 1 and 3 sealed closed

2) Valves 2 and 4 sealed open

Sales Phase:

1) Valves 3 & 4 sealed closed

2) Valves 1 open

Draining Phase:

1) Valve 3 open

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure
1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-

071572A
065914

UTU-

02458
03563
03563A
04493
05843
07978
09803
017439B
017985
017991
017992
018073
019222
020252
020252A
020254
020255
020309D
022684A
027345
034217A
035521
035521A
038797
058149
063597A
075174
096547
096550

10760
11385
13905
15392
15855
16535
16539
16544
17036
17424
18048
18399
19267
26026A
30096
30103
31260
33992
34173
34346
36442
36846
38411
38428
38429
38431
39713
39714
40026
40652
40894
41377
44210
44426
44430
45431
47171
49092
49430
49950
50376
50385
50376
50750
51081
52013
52018
58546
61052
62848
63073B
63073D
63073E
63073O
64917
64379
64380
64381
64805
64806
64917
65207
65210
65635
65967
65969
65970
66184
66185
66191
67168
67170
67208
67549
67586
67845
68105
68548
68618
69060
69061
69744
70821
72103
72104
72105
72106
72107
72108
73086
73087
73807
73088
73089
73520A
74108
74805
74806
74807
74808
74389
74390
74391
74392
74393
74398
74399
74400
74404
74405
74406
74411
74805
74806
74826
74827
74835
74868
74869
74870
74872
74970
75036
75037
75038
75039
75075
75078
75089
75090
75234
75238
76239
76240
76241
76560
76561
76787
76808
76813
76954
76956
77233
77234
77235
77337
77338
77339
77357
77359
77365
77369
77370
77546
77553
77554
78022
79013
79014
79015
79016
79017
79831
79832
79833
79831
79834
80450
80915
81000

63073X
63098A
68528A
72086A
72613A
73520X
74477X
75023X
76189X
76331X
76788X
77098X
77107X
77236X
77376X
78560X
79485X
79641X
80207X
81307X

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) | Designation of Agent/Operator

X Operator Name Change | **Merger**

The operator of the well(s) listed below has changed, effective: **9/1/2004**

FROM: (Old Operator):	**TO:** (New Operator):
N5160-Inland Production Company	N2695-Newfield Production Company
Route 3 Box 3630	Route 3 Box 3630
Myton, UT 84052	Myton, UT 84052
Phone: 1-(435) 646-3721	Phone: 1-(435) 646-3721

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
ALLEN TRUST 7-24	24	040S	020W	4301330888	4970	Fee	OW	P
WELLS DRAW ST 7-36	36	080S	150E	4301330934	9730	State	GW	P
JENSEN 1	21	080S	160E	4301316208	10521	Federal	NA	PA
PLEASANT VALLEY 1	21	080S	160E	4301330394	10520	Federal	OW	P
LAMBERT FED 1	22	080S	160E	4301316207	10522	Federal	OW	P
MONUMENT BUTTE ST 16-36R	36	080S	160E	4301310159	11804	State	OW	P
ASHLEY FED 10-24R	24	090S	150E	4301315781	11992	Federal	OW	P
ASHLEY FED 12-24R	24	090S	150E	4301315782	11993	Federal	OW	P
CASTLE PK ST 43-16	16	090S	160E	4301330594	1181	State	OW	P
FEDERAL 9-23	23	090S	160E	4301330654	2655	Federal	OW	P
FEDERAL 7-23	23	090S	160E	4301330662	10629	Federal	OW	S
CASTLE PEAK FED 6-23	23	090S	160E	4301330873	9700	Federal	OW	P
CASTLE PK FED 12-24	24	090S	160E	4301330588	2650	Federal	OW	S
MONUMENT BUTTE 1-3	03	090S	170E	4301330642	12391	Federal	OW	P
MONUMENT BUTTE 2-3	03	090S	170E	4301330810	12391	Federal	OW	P
CASTLE DRAW 16-10-9-17	10	090S	170E	4301316218	8120	Federal	OW	S
FEDERAL 15-1-B	15	090S	170E	4301331023	10201	Federal	OW	S
FRED MORRIS FED 19-1	19	090S	170E	4301330587	451	Federal	OW	S
GOVERNMENT FOWLER 20-1	20	090S	170E	4301330563	9555	Federal	OW	P
FED 41-30	30	090S	170E	4301330601	6095	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**

Sundry Number: 44339 API Well Number: 43013308730000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-15855

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: CASTLE PEAK FED 6-23

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013308730000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1980 FNL 1970 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 23 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/31/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: OAP to Current Formation

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to perforate and fracture stimulate the following:D-2 4512-4519, C 4612-4625, B-1/2-4682-4684, B1 4705-4707, and B2 4732-4735 with in the current production formation (Green River.

Accepted by the Utah Division of Oil, Gas and Mining

Date: November 05, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 10/31/2013

RECEIVED: Oct. 31, 2013

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-415

Operator: Newfield Production Company

Well: Castle Peak Federal 6-23

Location: Section 23, Township 9 South, Range 16 East

County: Duchesne

API No.: 43-013-30873

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on January 31, 2014.
2. Maximum Allowable Injection Pressure: 1,918 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,772' – 5,444')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: _____ 3/20/2014
John Rogers
Associate Director
Date

JR/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Verna
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File
N:\O&G Reviewed Docs\ChronFile\UIC

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

January 31, 2014

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Castle Peak Federal 6-23, Section 23, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-30873

Ladies and Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.

2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.

3. A casing\tubing pressure test shall be conducted prior to commencing injection.

4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

5. The top of the injection interval shall be limited to a depth no higher than 3,772 feet in the Castle Peak Federal 6-23 well.

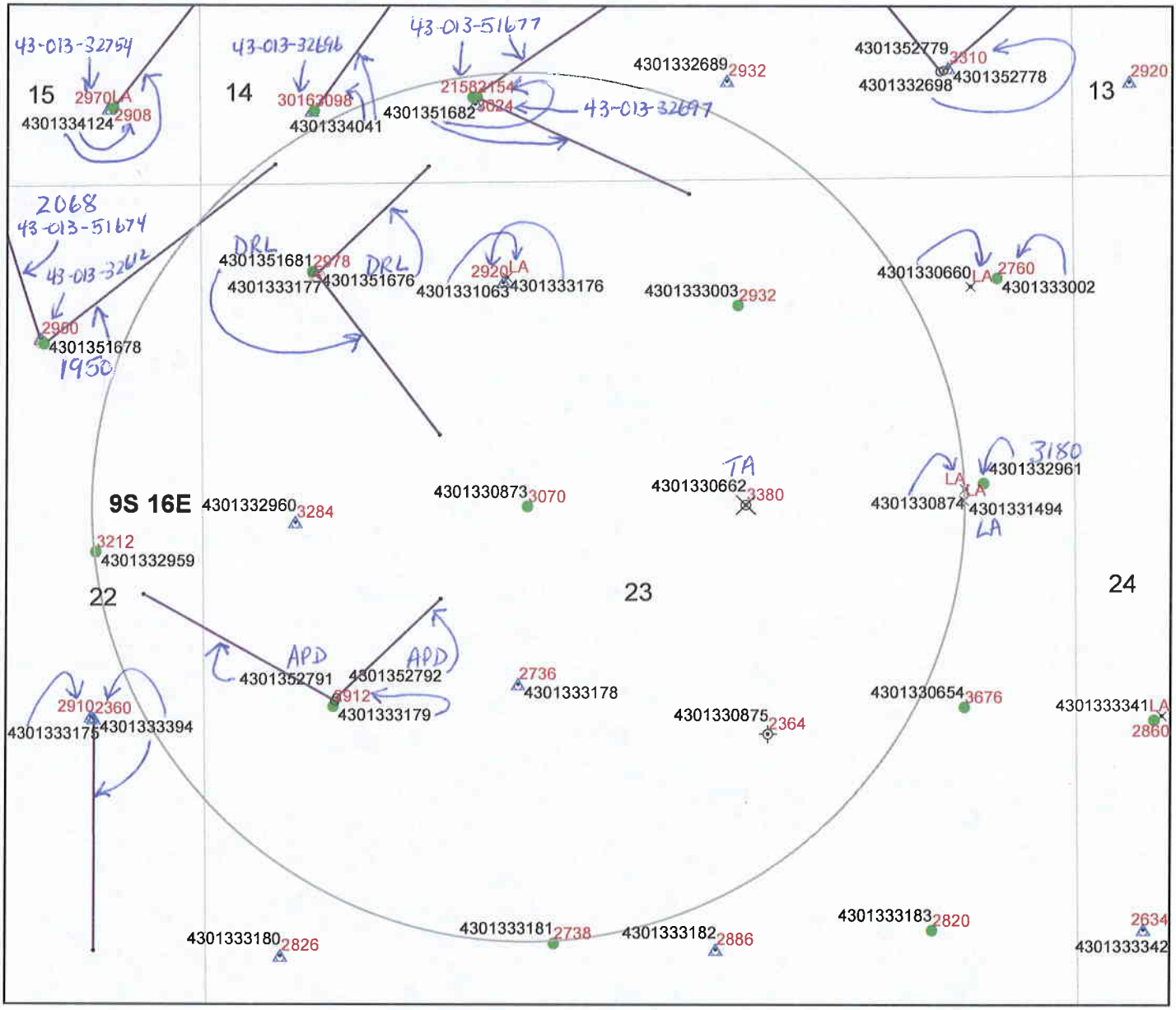
A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers
Associate Director

JR/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Duchesne County
Newfield Production Company, Myton
Well File
N:\O&G Reviewed Docs\ChronFile\UIC

UTAH DNR OIL, GAS & MINING



Legend

Oil & Gas Well Type

- APD-Approved Permit
- DRL-Spudded (Drilling Commenced)
- GIW-Gas Injection Well
- GSW-Gas Storage Well
- LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- PA-Pugged & Abandoned
- PGW-Producing Gas Well
- POW-Producing Oil Well
- RET-Returned APD
- SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- TA-Temp Abandoned
- TW-Test Well
- WDW-Water Disposal Well
- WIW-WaterInjection Well
- WSW-Water Supply Well

Cement Bond Tops
Castle Peak Federal 6-23-9-16
API #43-013-30873
UIC-415.17

0 0.05 0.1 0.2 0.3 0.4 Miles

N

4585 Depth to top of suitable cement bond

- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
  Wells-CbltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS

Applicant: Newfield Production Company **Well:** Castle Peak Federal 6-23-9-16

Location: 23/9S/16E **API:** 43-013-30873

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 295 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,496 feet. The cement bond log demonstrates adequate bond in this well up to about 3,070 feet. A 2 7/8 inch tubing with a packer will be set at 4,876 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 6 producing wells, 4 injection wells, 1 P/A well, and 1 temporarily abandoned well in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there is 1 directional producing well with a surface location outside the AOR and a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2300 feet. Injection shall be limited to the interval between 3,772 feet and 5,444 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 6-23-9-16 well is 0.83 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,918 psig. The requested maximum pressure is 1,918 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 1/30/2014

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED.TAX I.D.# 87-0217663
801-204-6910

The Salt Lake Tribune MEDIA Deseret News

PROOF OF PUBLICATION CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	12/13/2013

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER
8015385340	0000927358
SCHEDULE	
Start 12/13/2013	End 12/13/
CUST. REF. NO.	
Newfield Cause UIC-415	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTME	
SIZE	
94 Lines	3.00
TIMES	
3	
MISC. CHARGES	

RECEIVED
DEC 20 2013
DIV. OF OIL, GAS & MINING

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East
API 43-013-33846
State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33853
Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East
API 43-013-30650
Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33033
Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East
API 43-013-33035
Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East
API 43-013-32922
Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33063
Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33100
Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33102
Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33161
Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33163
Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33107
Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33019
Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33069
Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East
API 43-013-33023
Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-33003
Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-30873
Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-32961
Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East
API 43-013-33343

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 11th day of December, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

923768 UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I C
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RES
CAUSE NO. UIC-415 IN THE MATTER OF THE APPLICA FOR **DIV OF OIL-GAS & MIN**
COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND D
ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT
NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON
UTAHLEGALS.COM INDEFINATELY COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 12/13/2013 End 12/13/2013

SIGNATURE

DATE 12/13/2013

VIRGINIA CRAFT
Notary Public State of Utah
Commission # 581460
My Commission Expires
January 12, 2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

2210 Rec'd 131

NOTARY SIGNATURE

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 17 day of December, 2013, and that the last publication of such notice was in the issue of such newspaper dated the 17 day of December, 2013, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Kevin Ashby
Publisher

Subscribed and sworn to before me on this 23 day of December, 2013

by Kevin Ashby.

Bonnie Parrish
Notary Public

Notary Public
BONNIE PARRISH
Commission #653427
My Commission Expires
February 23, 2016
State of Utah

RECEIVED
DEC 24 2013
DIV. OF OIL, GAS & MINING

NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street,

Continued on next page

Continued from previous page

Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

'Greater Monument Butte Unit:

State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East
API 43-013-33846

State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33853

Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East
API 43-013-30650

Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33033

Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East
API 43-013-33035

Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East
API 43-013-32922

Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33063

Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33100

Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33102

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South,

Any person desi
ing to object to t
application or otl
erwise intervene
the proceeding, mu
file a written prote
or notice of interve
tion with the Divisi
within fifteen da
following publicati
of this notice. The D
vision's Presiding C
ficer for the proceedi
is Brad Hill, Permitti
Manager, at P.O. B
145801, Salt Lake Ci
UT 84114-5801, pho
number (801) 53
5340. If such a prot
or notice of interve
tion is received, a he
ing will be schedul
in accordance wi
the aforementio
administrative pr
cedural rules. Prot
tants and/or interv
ers should be prepa
to demonstrate at
hearing how this mat
affects their interes

Dated this 11th d
of December, 2013

STATE OF UTA
DIVISION OF O
GAS & MINING

/s/
Brad Hill
Permitting Mana

Published in
Uintah Basin Stand
December 17, 201

OIL, GAS & MINING

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33161
Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33163
Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33107
Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33019
Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33069
Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East
API 43-013-33023
Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-33003
Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-30873
Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-32961
Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East
API 43-013-33343

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

141

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East
API 43-013-33846
State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33853
Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East
API 43-013-30650
Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33033
Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East
API 43-013-33035
Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East
API 43-013-32922
Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33063
Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33100
Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33102
Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33161
Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33163
Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33107
Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33019
Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33069
Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East
API 43-013-33023
Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-30873
Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-32961
Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East
API 43-013-33343

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 11th day of December, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

Brad Hill
Permitting Manager

Newfield Production Company

STATE 2-16-9-16, STATE 13-16-9-16, CASTLE PEAK 32-16, FEDERAL 10-17-9-16, FEDERAL 12-17-9-16, FEDERAL 16-18-9-16, FEDERAL 2-19-9-16, FEDERAL 6-19-9-16, FEDERAL 12-19-9-16, FEDERAL 14-19-9-16, FEDERAL 16-19-9-16, FEDERAL 8-20-9-16, FEDERAL 3-21-9-16, FEDERAL 4-21-9-16, FEDERAL 8-21-9-16, FEDERAL 2-23-9-16, CASTLE PEAK FEDERAL 6-23, FEDERAL 8-23-9-16, FEDERAL 14-24-9-16

Cause No. UIC-415

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

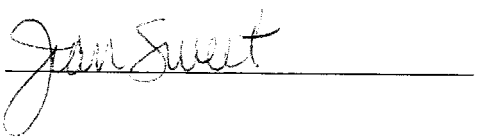
Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052



GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

December 12, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

Jean Sweet
Executive Secretary

Enclosure

Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

1 message

UB Standard Legals <ubslegals@ubmedia.biz> Thu, Dec 12, 2013 at 1:22 PM
To: Jean Sweet <jsweet@utah.gov>

On 12/12/2013 11:59 AM, Jean Sweet wrote:

> Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.
>
> Please send proof of publication and billing to:
>
> Division of Oil, Gas and Mining
>
> PO Box 145801
>
> Salt Lake City, UT 84114-5801
>
> Sincerely,
>
> Jean
> –
> Jean Sweet
> Executive Secretary
> Utah Division of Oil, Gas and Mining
> 801-538-5329

This will publish Dec. 17. Thank you. Merry Christmas.
Cindy

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

December 12, 2013

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Jean Sweet <jsweet@utah.gov>

Proof for Notice

1 message

Stowe, Ken <naclegal@mediaoneutah.com> Thu, Dec 12, 2013 at 12:34 PM
Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com>
To: jsweet@utah.gov

AD# 927358
Run SL Trib & Des News 12/13
Cost $478.76
Thank You

OrderConf.pdf
185K

The Salt Lake Tribune MEDIAOne Deseret News

Remit to: P.O. Box 704005
West Valley City, UT 84170

Order Confirmation for Ad #0000927358-01

Client	DIV OF OIL-GAS & MINING	**Payor Customer**	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	**Payor Phone**	801-538-5340
Account#	9001402352	**Payor Account**	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	**Payor Address**	1594 W NORTH TEMP #1210,P.O. BO SALT LAKE CITY, UT 84114
Fax	801-359-3940	**Ordered By**	**Acct. Exec**
EMail	juliecarter@utah.gov	Jean	kstowe

Total Amount	**$478.76**
Payment Amt	**$0.00**
Amount Due	**$478.76**

Tear Sheets	Proofs	Affidavits
0	0	1

Payment Method

PO Number Newfield Cause UIC-4

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
Legal Liner	3.0 X 94 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	12/13/2013	
Product	**Placement**	**Position**
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	12/13/2013	
Product	**Placement**	**Position**
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	12/13/2013	

Order Confirmation for Ad #0000927358-01

Ad Content Proof Actual Size

NEWFIELD

Newfield Exploration Company
1001 17th Street | Suite 2000
Denver, Colorado 80202
PH 303-893-0102 | FAX 303-893-0103

December 3, 2013

RECEIVED
DEC 05 2013
DIV. OF OIL, GAS & MINING

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Castle Peak Federal #6-23-9-16
Monument Butte Field, Lease #UTU-15855
Section 23-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Castle Peak Federal #6-23-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Jill L Loyle
Regulatory Associate

NEWFIELD PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

CASTLE PEAK FEDERAL #6-23-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

LEASE #UTU-15855

DECEMBER 3, 2013

TABLE OF CONTENTS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Castle Peak Federal #6-23-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-15855
Well Location: QQ SENW section 23 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [X] No [ ]
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes [X] No [ ]
Disposal? . . . . . Yes [ ] No [X]
Storage? . . . . . Yes [ ] No [X]
Is this application for a new well to be drilled? . . . . . Yes [ ] No [X]
If this application is for an existing well,
has a casing test been performed on the well? . . . . . Yes [ ] No [X]
Date of test:
API number: 43-013-30873

Proposed injection interval: from 3772 to 5444
Proposed maximum injection: rate 500 bpd pressure 1918 psig
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Jill L Loyle Signature
Title Regularory Associate Date 12/3/2013
Phone No. 303-383-4135

(State use only)
Application approved by Title
Approval Date

Comments:

Castle Peak Federal 6-23-9-16

Spud Date: 7-30-84

Put on Production: 9-11-84

GL: 5725' KB: 5734

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (295.0')

DEPTH LANDED: 295'

HOLE SIZE: 12-1/4"

CEMENT DATA: 210sxs Class "G" cmt + 2" CaCl + sk Flocele.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 17#

LENGTH: 140 jts.(5497.24')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 5495.95'

CEMENT DATA: 120 sxs Lodense, 250 sxs Gypseal.

CEMENT TOP AT:000'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 153jts (4793.5')

TUBING ANCHOR: 4793.5'

NO. OF JOINTS: 2 jts (61.7')

SEATING NIPPLE: 2-7/8" (1.1')

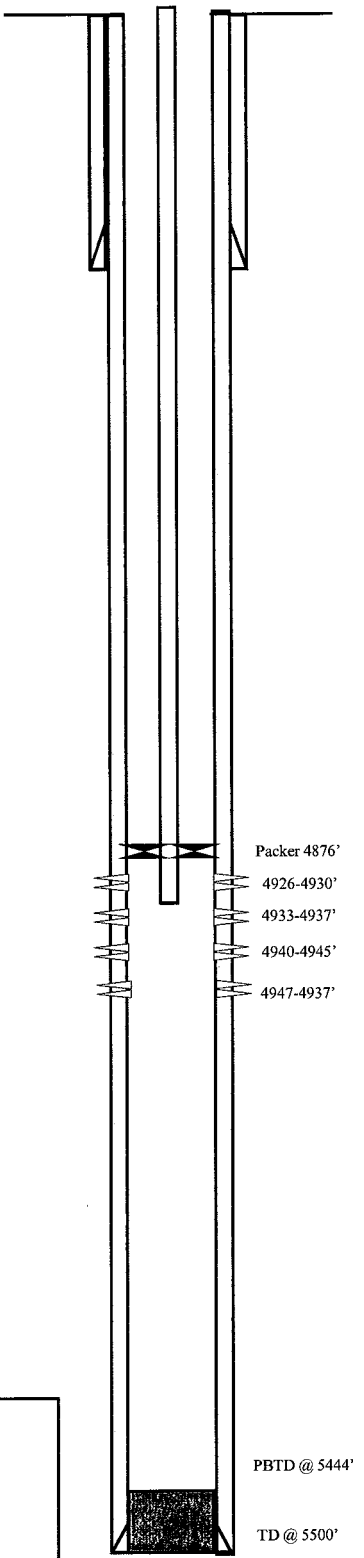
SN LANDED: 4858' KB

NO. OF JOINTS: 4 jts (124.7')

NOTCHED COLLAR: 4983.8" KB

TOTAL STRING LENGTH: EOT @ 4984'

Proposed Injection
Wellbore Diagram



FRAC JOB

8-22-84 4926-4949' **Frac 000 sands as follows:**
Frac with 28500# 20/40 sand in 96500bbls Lighting 17 fluid.

3/12/11 Tubing Leak. Updated rod and tubing detail

PERFORATION RECORD

4926-4930'	1 JSPF	4 holes
4933-4937'	1 JSPF	4 holes
4940-4945'	1 JSPF	5 holes
4947-4949'	1 JSPF	2 holes

NEWFIELD

Castle Peak Federal #6-23
1970'FWL & 1980 'FNL
Section 23, T9S, R16E
Duchesne Co, Utah
API # 43-013-30873; Lease # UTU-15855

JL 11/22/2013

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.

2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.

3. Test casing and packer.

4. Rig down and move out.

REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**

2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Castle Peak Federal #6-23-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Castle Peak Federal #6-23-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3772' - 5444'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3453' and the TD is at 5500'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Castle Peak Federal #6-23-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-15855) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2

1. **Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**

2. **The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

   2.1 **A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

   See Attachments A and B.

   2.2 **Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

   All logs are on file with the Utah Division of Oil, Gas and Mining.

   2.3 **A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

   A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

   2.4 **Copies of logs already on file with the Division should be referenced, but need not be refiled.**

   All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

   2.5 **A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

   The casing program is 8-5/8", 24# surface casing run to 295' KB, and 5-1/2", 15.5# casing run from surface to 5496' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

   2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

   The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

   2.7 **Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

   See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1918 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Castle Peak Federal #6-23-9-16, for existing perforations (4926' - 4949') calculates at 0.83 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1918 psig. We may add additional perforations between 3453' and 5500'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Castle Peak Federal #6-23-9-16, the proposed injection zone (3772' - 5444') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-10.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

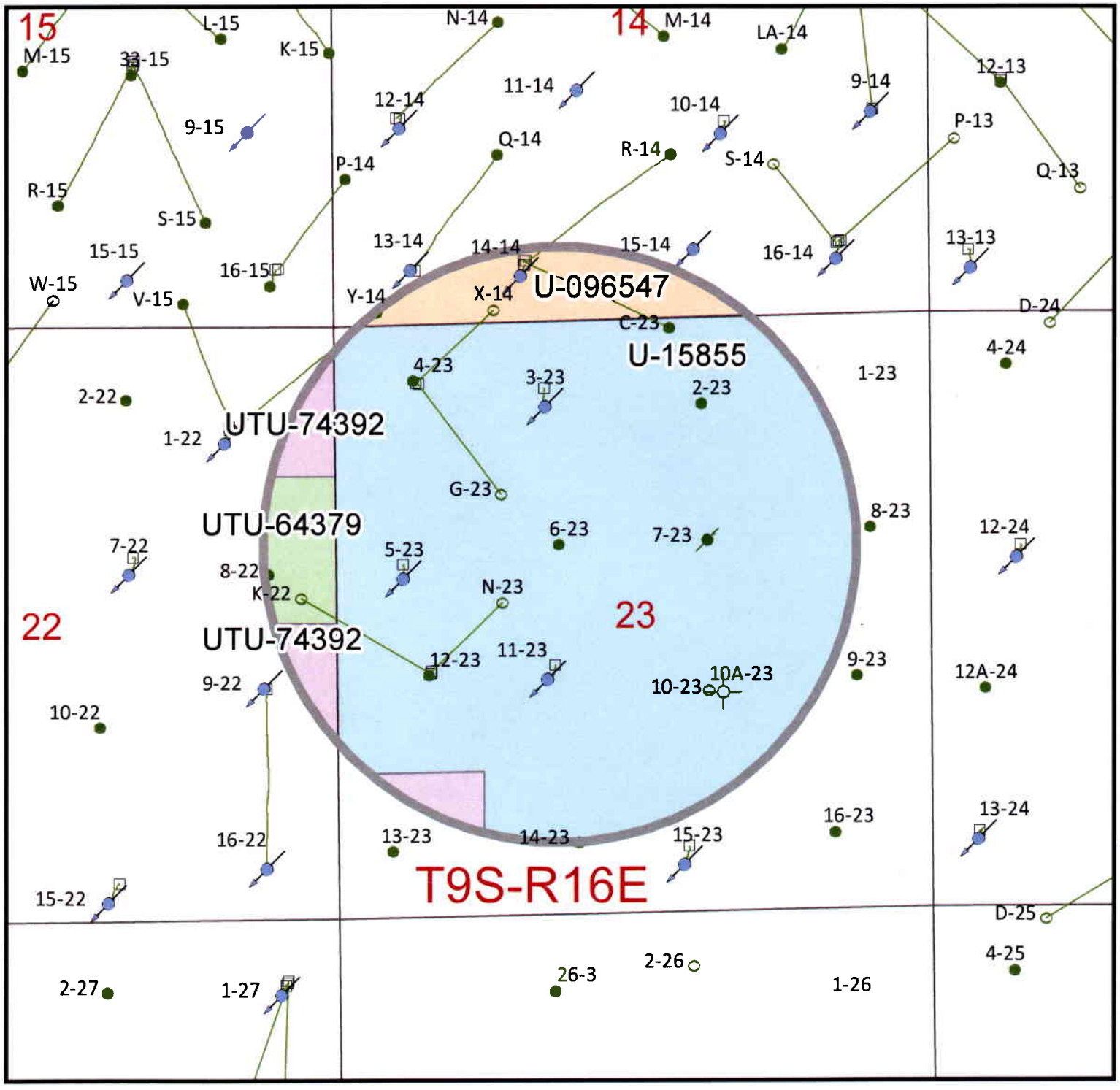
2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

ATTACHMENT A



Lease Number
- U-096547
- U-15855
- UTU-64379
- UTU-74392

Half-Mile Buffer

Well Status
- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Well Surface Location

Castle Peak 6-23-9-16
Section 23, T9S-R16E

NEWFIELD
ROCKY MOUNTAINS

N

1 in = 1,250 feet

1/2 Mile Radius Map

Duchesne County

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 893-0102

Nov. 6, 2013

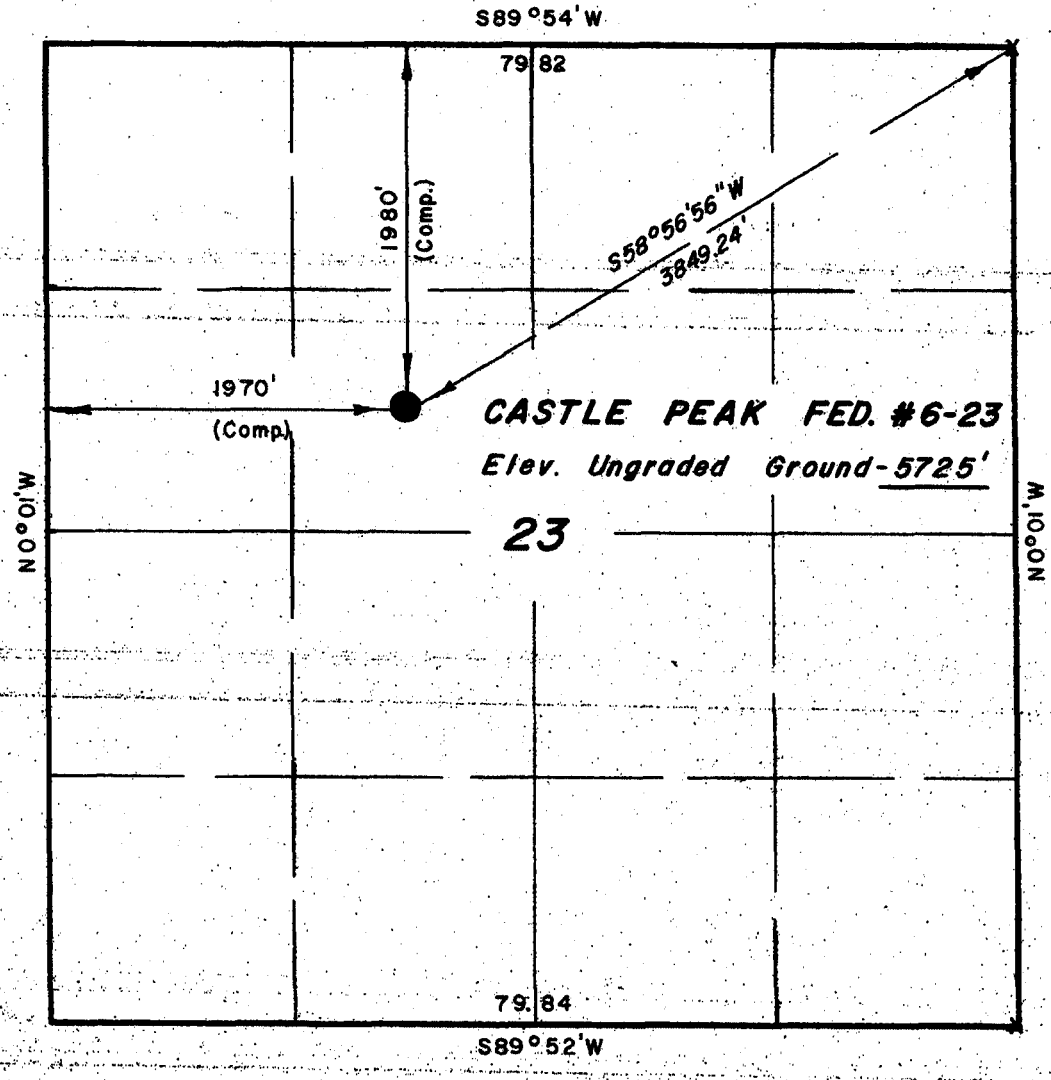
ATTACHMENT A-1

PROJECT

LOMAX EXPLORATION CO.

Well location, *CASTLE PEAK FED. #6-23*, located as shown in the SE 1/4 NW 1/4, Section 23, T 9 S, R 16 E, S.L.B.&M. Duchesne County, Utah.

T 9 S, R 16 E, S.L.B.&M.



X = Section Corners Located

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Kay

REGISTERED LAND SURVEYOR
REGISTRATION Nº 5709
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q — 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10/27/83
PARTY R.K. J.F. SB	REFERENCES GLO Plat
WEATHER Fair	FILE LOMAX

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-16E SLM	USA	Newfield Production Company	USA
	Section 23: E2, NW, E2SW, NWSW	UTU-15855	Newfield RMI LLC	
	Section 24: N2, SW, N2SE, SWSE	HBP	Bee Hive Oil LLC	
			Journey Properties LLC	
			King Oil & Gas of Texas LTD	
			Six Gold Oil LLC	
			Stone Energy Corp	
2	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 11: W2SW, SESW	UTU-096547	Newfield RMI LLC	
	Section 14: SWNE, W2, W2SE, SESE	HBP	Yates Petroleum Corporation	
			ABO Petroleum Corp	
			Myco Industries Inc	
			Oxy Y-1 Company	
3	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 8: SWNE, SE	UTU-64379	Newfield RMI LLC	
	Section 9: SWSW	HBP	Yates Petroleum Corp	
	Section 17: NE			
	Section 18: E2SW, SE, LOTS 3,4			
	Section 19: NE, E2NW, LOTS 1,2			
	Section 21: N2			
	Section 22: W2NE, SENE, NW			
4	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 21: S2	UTU-74392	Newfield RMI LLC	
	Section 22: NENE, S2	HBP	ABO Petroleum Corp	
	Section 23: SWSW		MYCO Industries Inc	
	Section 24: SESE		OXY Y-1 Company	
	Section 26: NENE		Yates Petroleum Corp	
	Section 27: All			
	Section 28: All			

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Castle Peak Federal #6-23-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____
Newfield Production Company
Jill L Loyle
Regulatory Associate

Sworn to and subscribed before me this 3rd day of December, 2013.

Notary Public in and for the State of Colorado: _____

My Commission Expires: 12/31/15

LYDIA BIONDO
Notary Public
State of Colorado

Attachment E

Castle Peak Federal 6-23-9-16

Spud Date: 7-30-84

Put on Production: 9-11-84

GL: 5725' KB: 5739'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (295.0')

DEPTH LANDED: 295'

HOLE SIZE: 12-1/4"

CEMENT DATA: 210sxs Class "G" cmt + 2" CaCl + sk Flocele.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 17#

LENGTH: 140 jts.(5497.24')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 5495.95'

CEMENT DATA: 120 sxs Lodense, 250 sxs Gypseal.

CEMENT TOP AT:000'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 153jts (4793.5')

TUBING ANCHOR: 4793.5'

NO. OF JOINTS: 2 jts (61.7')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED: 4858' KB

NO. OF JOINTS: 4 jts (124.7')

NOTCHED COLLAR: 4983.8" KB

TOTAL STRING LENGTH: EOT @ 4984'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' Spray Metal Polished Rod

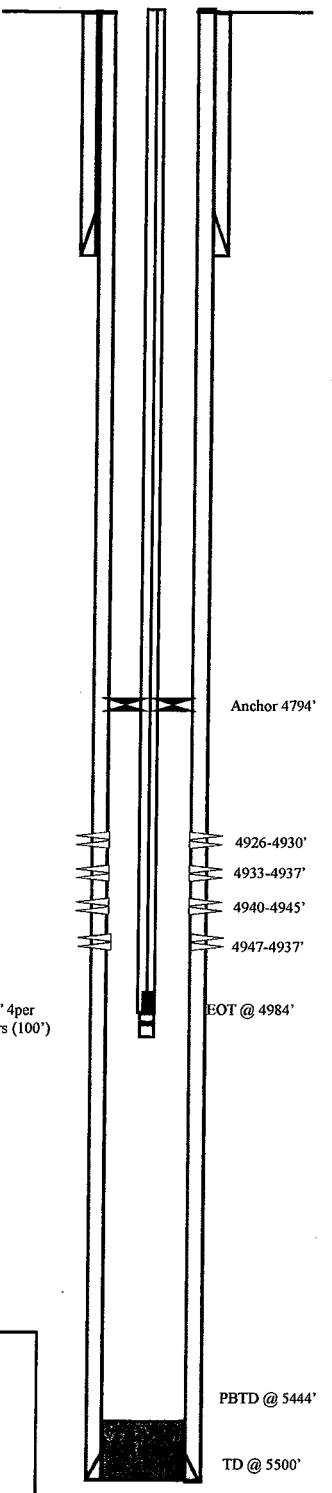
SUCKER RODS: 1 – ¾" x 2' Pony Rod, 1 – ¾" x 8' Pony Rod, 97 – ¾" 4per Guided Rods (2425'), 92 – ¾" Sucker Rods (2300'), 4 – 1 ½" Sinker Bars (100')

PUMP SIZE: 2 ½" x 1 ½" x 12' x 16' RHAC

STROKE LENGTH: 76"

PUMP SPEED: 5 SPM

Wellbore Diagram



FRAC JOB

8-22-84 4926-4949' **Frac 000 sands as follows:** Frac with 28500# 20/40 sand in 96500bbls Lighting 17 fluid.

3/12/11 Tubing Leak. Updated rod and tubing detail

PERFORATION RECORD

4926-4930'	1 JSPF	4 holes
4933-4937'	1 JSPF	4 holes
4940-4945'	1 JSPF	5 holes
4947-4949'	1 JSPF	2 holes

NEWFIELD

Castle Peak Federal #6-23

1970'FWL & 1980 'FNL

Section 23, T9S, R16E

Duchesne Co, Utah

API # 43-013-30873; Lease # UTU-15855

MB 6-6-11

Updated by CS 05/21/12

ATTACHMENT E-1

FEDERAL 2-23-9-16

Spud Date: 12/06/07
Put on Production: 02/11/08

GL: 5678' KB: 5690'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.96')
DEPTH LANDED: 324.81' KB
HOLE SIZE:12-1/4"
CEMENT DATA:1- 160, sxs Class "G" cmt, est 4 bbls cmt to surf.

Cement Top @ 156'

FRAC JOB

02/05/08	4910-4938'	**Frac A1 sands as follows:** 170350# 20/40 sand in 1190 bbl Lightning 17 frac fluid. Treated @ avg press of 1318 psi w/avg rate of 23.6 BPM. ISIP 1809 psi.
02/06/08	4621-4629'	**Frac C sands as follows:** 14890# 20/40 sand in 264 bbl Lightning 17 frac fluid. Treated @ avg press of 1847 psi w/avg rate of 23.5 BPM. ISIP 1806 psi.
02/06/08	4493-4500'	**Frac D1 sands as follows:** 9119# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 2210 psi w/avg rate of 23.5 BPM. ISIP 2088 psi.
8-1-08		Pump change. Updated rod & tubing details.
12/21/09		Pump change. Updated rod and tubing detail

PRODUCTION CASING

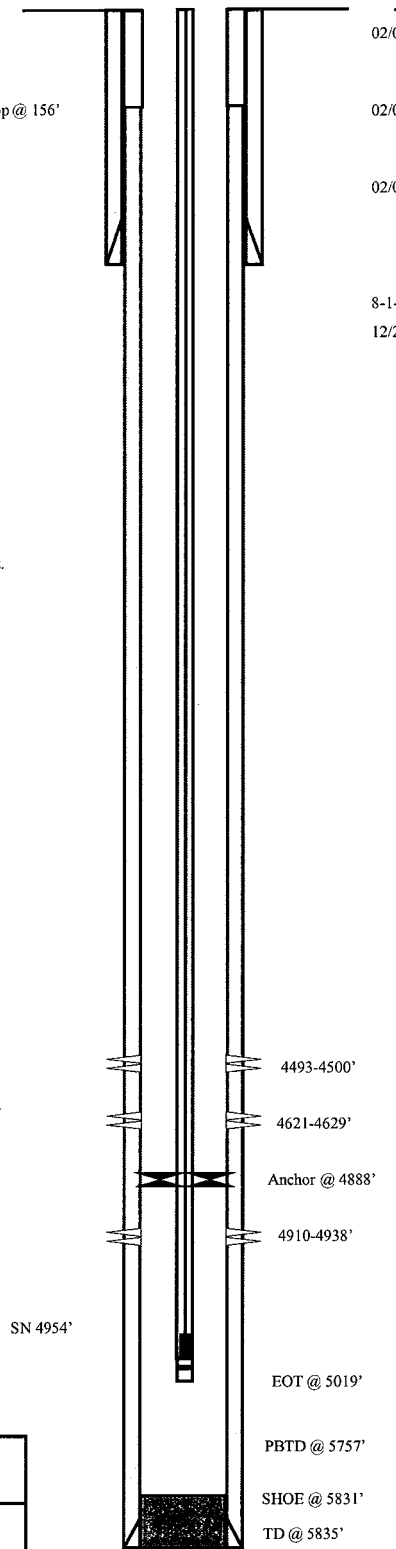
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 135 jts. (5818.10')
DEPTH LANDED: 5831.23' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 poz.
CEMENT TOP: 156'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5 #
NO. OF JOINTS: 154 jts (4888')
TUBING ANCHOR: 4888' KB
NO. OF JOINTS: 2 jts (62.8')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4953.6' KB
NO. OF JOINTS: 2 jts (64.2')
TOTAL STRING LENGTH: EOT @ 5019' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 1- 2'x ¾" pony rod, 1- 4'x ¾" pony rod, 1- 6'x ¾" pony rod, 1- 8'x ¾" pony rod, 100- ¾" guided rods, 72- ¾" guided rods, 20- ¾" guided rods, 6- 1 ½" weight bars
PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20' RHAC
STROKE LENGTH: 102"
PUMP SPEED, SPM: 5



PERFORATION RECORD

4910-4938'	4 JSPF	112 holes
4621-4629'	4 JSPF	32 holes
4493-4500'	4 JSPF	28 holes

NEWFIELD

FEDERAL 2-23-9-16

760' FNL & 2032' FEL

NW/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33003; Lease # UTU-15855

ML 1/13/09

ATTACHMENT E-2

FEDERAL 3-23-9-16

Spud Date: 01/08/08
Put on Production: 03/07/08
GL:5680' KB:5692'

Injection Wellbore Diagram

SURFACE CASING

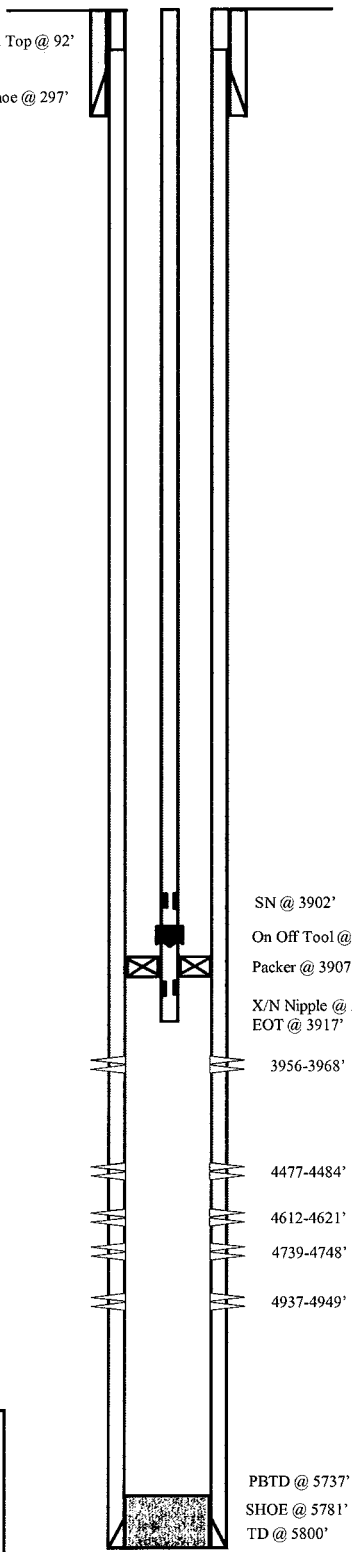
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (284.85')
DEPTH LANDED: 296.70' KB
HOLE SIZE:12-1/4"
CEMENT DATA:1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 130 jts. (5811.31')
DEPTH LANDED: 5781.17' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 poz
CEMENT TOP: 92'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 124 jts (3889.7')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 3901.7' KB
ON/OFF TOOL AT: 3902.8'
ARROW #1 PACKER CE AT: 3907'
XO 2-3/8 x 2-7/8 J-55 AT: 3911.6'
TBG PUP 2-3/8 J-55 AT: 3912.1'
X/N NIPPLE AT: 3916.1'
TOTAL STRING LENGTH: EOT @ 3917.5'



FRAC JOB

02/2/8/08	4937-4949'	**Frac A3 sands as follows:** 60177# 20/40 sand in 519 bbls Lightning 17 frac fluid. Treated @ avg press of 2021 psi w/avg rate of 23.3 BPM. ISIP 2150 psi.
02/28/08	4739-4748'	**Frac B2 sands as follows:** 40603# 20/40 sand in 407 bbl Lightning 17 frac fluid. Treated @ avg press of 1923 psi w/avg rate of 23.2 BPM. ISIP 1964 psi.
02/28/08	4612-4621'	**Frac C sands as follows:** 25535# 20/40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 2360 psi w/avg rate of 23.1 BPM. ISIP 2760 psi.
02/28/08	4477-4484'	**Frac D1 sands as follows:** 20500# 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 2099 psi w/avg rate of 23.2 BPM. ISIP 2016 psi.
02/28/08	3956-3968'	**Frac GB4 sands as follows:** 23017# 20/40 sand in 301 bbls Lightning 17 frac fluid. Treated @ avg press of 1777 psi w/avg rate of 23.0 BPM. ISIP 1817 psi.
10/11/11		**Parted Rods.** Updated rod & tubing detail.
11/20/12		**Convert to Injection Well**
11/21/12		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

4937-4949'	4 JSPF	48 holes
4739-4748'	4 JSPF	36 holes
4612-4621'	4 JSPF	36 holes
4477-4484'	4 JSPF	28 holes
3956-3968'	4 JSPF	48 holes

NEWFIELD

FEDERAL 3-23-9-16
586' FNL & 1849' FWL
NE/NW Section 23-T9S-R16E
Duchesne Co, Utah
API #43-013-33176; Lease #UTU-15855

LCN 11/27/12

ATTACHMENT E-3

Federal 4-23-9-16

Spud Date: 01-09-08
Put on Production: 3-10-08
GL: 5716' KB: 5728'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.55')
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

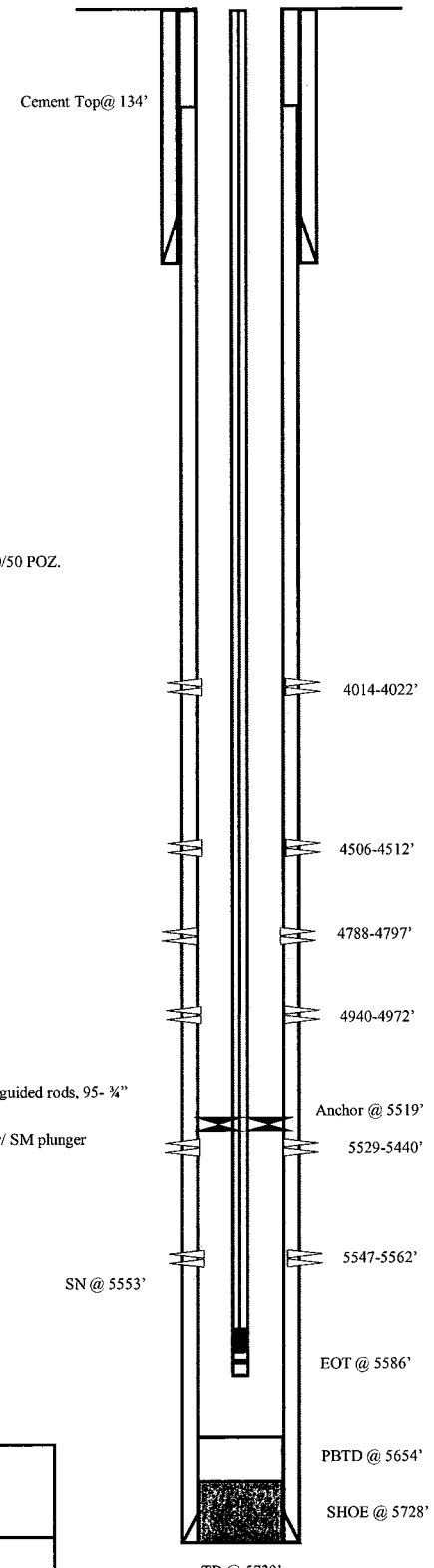
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 133jts. (5715.22')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5728.47'
CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 134'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 175 jts (5507.16')
TUBING ANCHOR: 5519.16'
NO. OF JOINTS: 1 jts (31.39')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5553.35' KB
NO. OF JOINTS: 1 jts (31.48')
TOTAL STRING LENGTH: EOT @ 5586.38' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 1-6', 1-4' & 1-2' X ¾" ponies, 100-3/4" guided rods, 95- ¾" plain rods, 20-3/4" guided rods, 6- 1 ½" weighted bars.
PUMP SIZE: 2-1/2" x 1-1/2" x 12' X 15.5' RHAC pump w/ SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM:4



FRAC JOB

2-29-08 5547-5562' **Frac CP4 sands as follows:** Frac with 40523# 20/40 sand in 434 bbls Lightning 17 fluid. Treat at an ave pressure of 1786 psi @ 23.2 BPM. ISIP 1970 psi.

2-29-08 5429-5440' **Frac CP2 sands as follows:** Frac with 20386 # 20/40 sand in 333 bbls Lightning 17 fluid. Treat at an ave pressure of 1963 psi @ 25 BPM. ISIP 1840 psi.

2-29-08 4940-4972' **Frac A1 sands as follows:** Frac with 120556 #'s 20/40 sand in 869 bbls Lightning 17 fluid. Treat at an ave pressure of 1845 psi @ 24.5 BPM. ISIP 2105 psi.

2-29-08 4788-4797' **Frac B2 sand as follows:** Frac with 50665 #'s of 20/40 sand in 450 bbls Lightning 17 fluid. Treat at an ave pressure of 1990 psi @ 24.5 BPM. ISIP 1945 psi.

2-29-08 4506-4512' **Frac D1 sands as follows:** Frac with 15200 #'s 20/40 sand in 259 bbls Lightning 17 fluid. Treat at an ave pressure of 1942 psi @ 24.3 BPM. ISIP 1825 psi.

2-29-08 4014-4022' **Frac GB6 sands as follows:** Frac with 40122 #'s 20/40 sand in 384 bbls Lightning 17 fluid. Treat at an ave pressure of 2036 psi @ 24.3 BPM. ISIP 1880 psi.

PERFORATION RECORD

4014-4022'	4 JSPF	32 holes
4506-4512'	4 JSPF	24 holes
4788-4797'	4 JSPF	36 holes
4940-4972'	4 JSPF	128 holes
5429-5440'	4 JSPF	44 holes
5547-5562'	4 JSPF	60 holes

NEWFIELD

Federal 4-23-9-16
499' FNL & 685' FWL
NWNW Section 23-T9S-R16E
Duchesne Co, Utah
API #43-013-33177; Lease #UTU-15855

TL 5-28-08

ATTACHMENT E-4

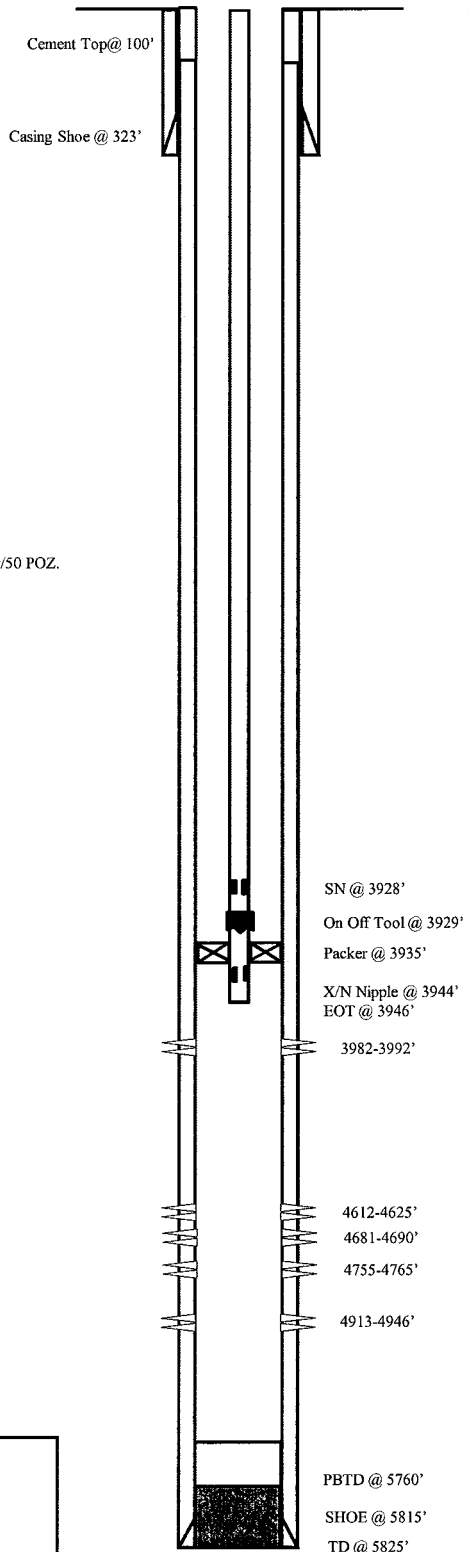
Federal 5-23-9-16

Spud Date: 1/17/08

Put on Production: 3-5-08

GL: 5749' KB: 5761'

Injection Wellbore Diagram



SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (311.39')

HOLE SIZE: 12-1/4"

DEPTH LANDED: 323.24'

CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 146 jts. (5781.03')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 5814.84'

CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 100'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 123 jts (3915.9')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3927.9' KB

ON/OFF TOOL AT: 3929.0'

ARROW #1 PACKER CE AT: 3934.8'

XO 2-3/8 x 2-7/8 J-55 AT: 3937.7'

TBG PUP 2-3/8 J-55 AT: 3938.2'

X/N NIPPLE AT: 3944.4'

TOTAL STRING LENGTH: EOT @ 3946'

FRAC JOB

2-27-08	**4913-4946'**	**Frac A1 sands as follows:** Frac with 160392 #'s of 20/40 sand in 1152 bbls Lightning 17 fluid. Treat at an ave pressure of 1802 psi @ 23.2 BPM. ISIP 2132 psi.
2-27-08	**4755-4765'**	**Frac B2 sands as follows:** Frac with 40119 #'s of 20/40 sand in 422 bbls Lightning 17 fluid. Treat at an ave pressure of 1740 psi @ 23.2 BPM. ISIP 1900 psi.
2-27-08	**4681-4690'**	**Frac B.5 sands as follows:** Frac with 15432 #'s of 20/40 sand in 275 bbls Lightning 17 fluid. Treat at an ave pressure of 2350 psi @ 23.3 BPM. ISIP 1943 psi.
2-27-08	**4612-4625'**	**Frac C sand as follows:** Frac with 60639 #'s of 20/40 sand in 500 bbls of Lightning 17 fluid. Treat at an ave pressure of 2137 psi @ 23.2 BPM. ISIP 2346 psi.
2-27-08	**3982-3992'**	**Frac GB6 sands as follows:** Frac with 46568 #'s of 20/40 sand in 418 bbls of Lightning 17 fluid. Treat at an ave pressure of 1726 psi @ 23.3 BPM. ISIP 1825 psi.
1/24/09		**Pump Change**. Updated r & t details.
12/11/12		**Convert to Injection Well**
12/12/12		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

3982-3992'	4 JSPF	40 holes
4612-4625'	4 JSPF	52 holes
4681-4690'	4 JSPF	36 holes
4755-4765'	4 JSPF	40 holes
4913-4946'	4 JSPF	132 holes

NEWFIELD

Federal 5-23-9-16
2125' FNL & 595' FWL
SWNW Section 23-T9S-R16E
Duchesne Co, Utah
API #43-013-32960; Lease #UTU-15855

LCN 12/17/12

ATTACHMENT E-5

FEDERAL 11-23-9-16

Spud Date: 1-15-08
Put on Production: 3-7-08
GL: 5726' KB: 5738'

Injection Wellbore Diagram

SURFACE CASING

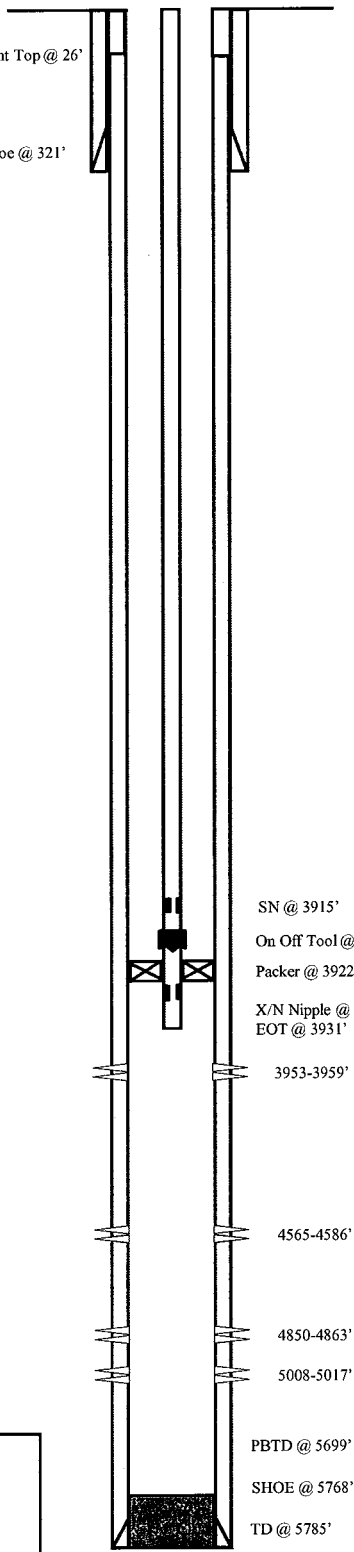
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (309.09')
DEPTH LANDED: 320.94' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 134 jts. (5775.25')
DEPTH LANDED: 5768.37' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 26'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 124 jts (3903.0')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 3915.0' KB
ON/OFF TOOL AT: 3916.1'
ARROW #1 PACKER CE AT: 3922'
XO 2-3/8 x 2-7/8 J-55 AT: 3925.1'
TBG PUP 2-3/8 J-55 AT: 3925.6'
X/N NIPPLE AT: 3929.8'
TOTAL STRING LENGTH: EOT @ 3931'



FRAC JOB

03-04-08	4565-4586'	**Frac C sands as follows:** 90836# 20/40 sand in 686 bbls Lightning 17 frac fluid. Treated @ avg press of 2017 psi w/avg rate of 23.1 BPM. ISIP 2180 psi. Calc flush: 4563 gal. Actual flush:4477 gal.
06/05/2008	3953-3959'	**Frac GB6, sands as follows:** 16621# 20/40 sand in 206 bbls Lightning 17 frac fluid. Treated @ avg. press. of 2261 psi w/avg. rate of 15 BPM. ISIP 1696 psi.
06/05/2008	4850-4863'	**Frac A1, sands as follows:** 50043# 20/40 sand in 446 bbls Lighting 17 frac fluid. Treated @ ave. press. of 3342 psi w/avg. rate 15 BPM. ISIP 2218 psi.
06/05/2008	5008-5017'	**Frac LODC, sands as follows:** 45090# 20/40 sand in 445 bbls of Lightning 17 frac fluid. Treated @ ave. press. of 4224 psi w/avg. rate 15 BPM W/ 6.5 ppg of sand. ISIP 3173 psi.
12/13/12		**Convert to Injection Well**
12/13/12		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

02-29-08	4565-4586'	4 JSPF	84 holes
06-05-08	3953-3959'	4 JSPF	24 holes
06-05-08	4850-4863'	4 JSPF	52 holes
06-05-08	5008-5017'	4 JSPF	36 holes

NEWFIELD

FEDERAL 11-23-9-16
2236' FSL & 1922' FWL
NE/SW Section 23-T9S-R16E
Duchesne Co, Utah
API #43-013-33178; Lease # UTU-15855

LCN 12/18/12

ATTACHMENT E-6

FEDERAL 12-23-9-16

Spud Date: 2/5/08
Put on Production: 5/22/08

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

GL: 5774' KB: 5786'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts (322.64')
DEPTH LANDED: 333'
HOLE SIZE: 12-1/4"
CEMENT DATA: To surface with 160 sx Class "G" cmt

Cement Top @ 104'

PRODUCTION CASING

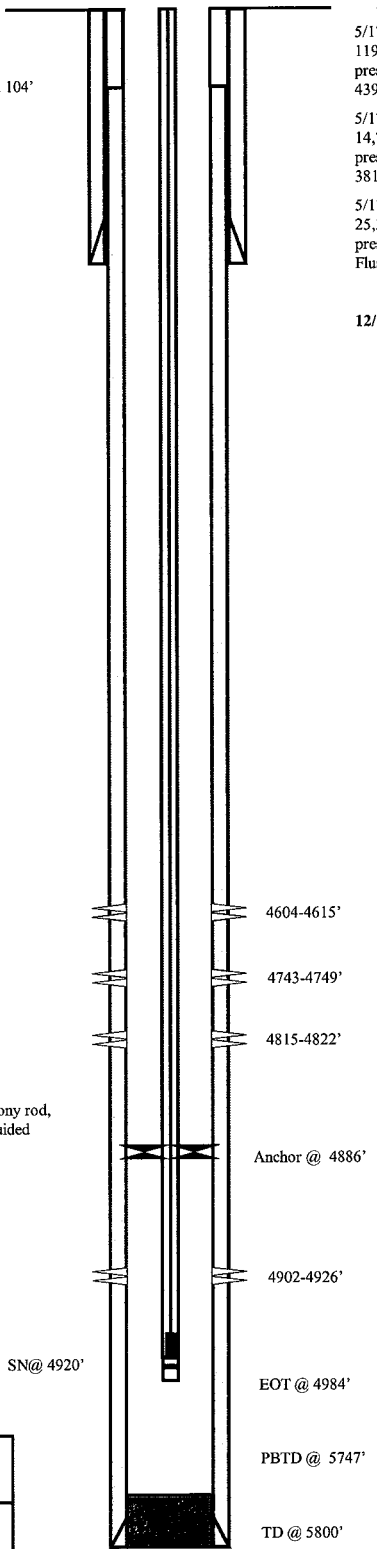
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts
DEPTH LANDED: 5718.33' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP: 104'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 155 jts (4873.6')
TUBING ANCHOR: 4885.6' KB
NO. OF JOINTS: 1 jts (31.45')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4919.9' KB
NO. OF JOINTS: 2 jts (62.6')
TOTAL STRING LENGTH: EOT @ 4984' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod
SUCKER RODS: 1-8'x ¾" pony rod, 1- 6'x ¾" pony rod, 2- 8'x ¾" pony rod, 1- 2'x ¾" pony rod, 91- ¾" guided rods, 58- ¾" sucker rods, 40- ¾" guided rods, 6- 1 ½" weight bars
PUMP SIZE: 2-1/2" x 1-1/2" x 12x 16' RHAC
STROKE LENGTH: 72"
PUMP SPEED, SPM: 4



FRAC JOB

5/17/08 4902-4926' **Frac A3 sds as follows:**
119,316# 20/40 sand in 996 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1818 psi w/ ave rate of 23.4 BPM. ISIP 2198 psi. Actual Flush: 4397 gal.

5/17/08 4815-4822' **Frac A.5 sds as follows:**
14,762# 20/40 sand in 260 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3169 psi w/ ave rate of 23.3 BPM. ISIP 4200 psi. Actual Flush: 3818 gal.

5/17/08 4743-4749' **Frac B2 sds as follows:**
25,365# 20/40 sand in 342 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2818 psi w/ ave rate of 21.6 BPM. ISIP 3290 psi. Actual Flush:4238 gal.

12/12/2009 **Tubing leak.** Updated rod and tubind detail.

PERFORATION RECORD

10/23/07	4604-4615'	4 JSPF	44 holes
10/26/07	4743-4749'	4 JSPF	24 holes
10/23/07	4815-4822'	4 JSPF	28 holes
10/26/07	4902-4926'	4 JSPF	96 holes

NEWFIELD

FEDERAL 12-23-9-16

2120'FSL & 794' FWL

NW/SW Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33179; Lease # UTU-15855

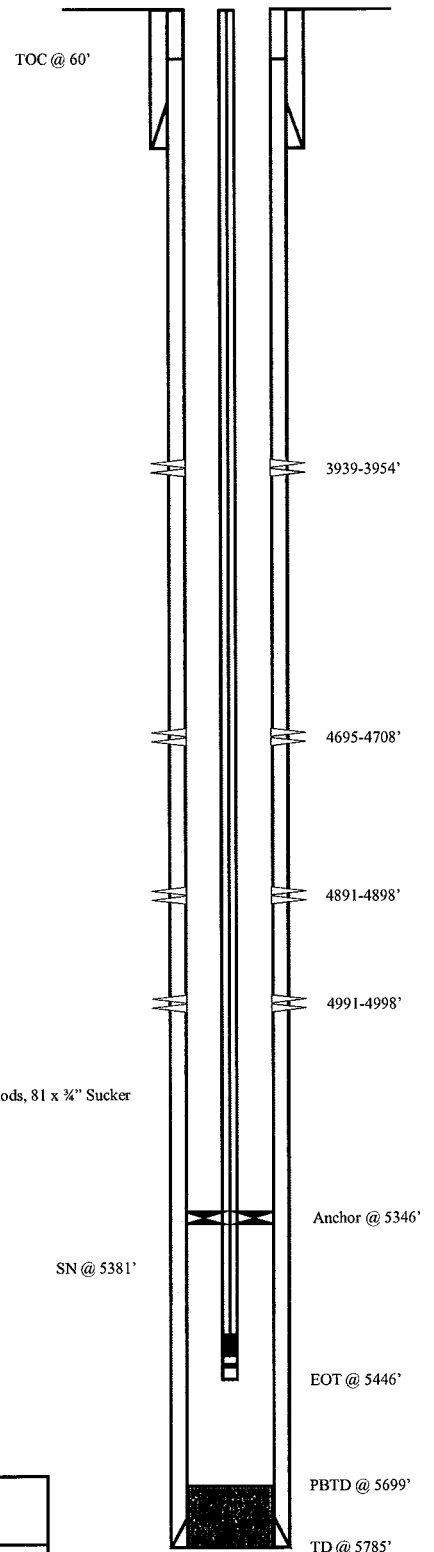
ML 1/7/2010

ATTACHMENT E-7

Federal 14-23-9-16

Spud Date: 11-28-07
Put on Production: 3-3-08
GL: 5782' KB: 5794'

Wellbore Diagram



SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7jts (310.88')
HOLE SIZE: 12-1/4"
CEMENT DATA: 160sxs Class "G" cmt, circ 3bbls to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 133jts (5745.3')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5743.3'
CEMENT DATA: 325sxs Premlite II & 400sxs 50/50 POZ.
CEMENT TOP AT: 60' per CBL 2/20/08

TUBING (KS 12/30/09)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 168jts (5333.9')
TUBING ANCHOR: 5345.9'
NO. OF JOINTS: 1jt (32.5')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5381.2'
NO. OF JOINTS: 2jts (63.1')
TOTAL STRING LENGTH: EOT @ 5446'

SUCKER RODS (KS 12/30/09)

POLISHED ROD: 26' x 1-1/2"
SUCKER RODS: 6' x ¾" Pony Rod, 98 x ¾" 4per Guided Rods, 81 x ¾" Sucker Rods, 30 x ¾" 4per Guided Rods, 6 x 1-½" Sinker Bars
PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 14' RHAC
STROKE LENGTH: 81"
PUMP SPEED, SPM: 4.5
PUMPING UNIT: C-228-246-86

FRAC JOB

2-26-08 4991-4998' **Frac A3 sands as follows:** Frac with 15465 #'s of 20/40 sand in 275 bbls Lightning 17 fluid. Treat w/ an ave pressure 2863 psi @ 23.2 BPM. ISIP 2882 psi.

2-26-08 4891-4898' **Frac A1 sands as follows:** Frac with 15196 #'s of 20/40 sand in 282 bbls Lightning 17 fluid. Treat w/ an ave pressure 2226 psi @ 23.2 BPM. ISIP 2125 psi.

2-26-08 4695-4708' **Frac B2 sands as follows:** Frac with 30350 #'s of 20/40 sand in 381 bbls Lightning 17 fluid. Treat w/ an ave pressure of 2054 psi @ 23.2 BPM. ISIP 2054 psi.

2-26-08 3939-3954' **Frac GB6 sand as follows:** Frac with 93199 #'s of 20/40 sand in 674 bbls Lightning 17 fluid. Treat w/ an ave pressure of 1568 psi @ 23.2 BPM. ISIP 1641 psi.

PERFORATION RECORD

3939-3954'	4 JSPF	60 holes
4695-4708'	4 JSPF	52 holes
4891-4898'	4 JSPF	28 holes
4991-4998'	4 JSPF	28 holes

NEWFIELD

Federal 14-23-9-16
658' FSL & 2145' FWL
SESW Section 23-T9S-R16E
Duchesne Co, Utah
API #43-013-33181; Lease #UTU-15855

KS 11/28/12

ATTACHMENT E-8

Federal 8-22-9-16

Spud Date: 11/01/06
Put on Production: 12/13/06

K.B.: 5791, G.L.: 5779

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310.68')
DEPTH LANDED: 322.53' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

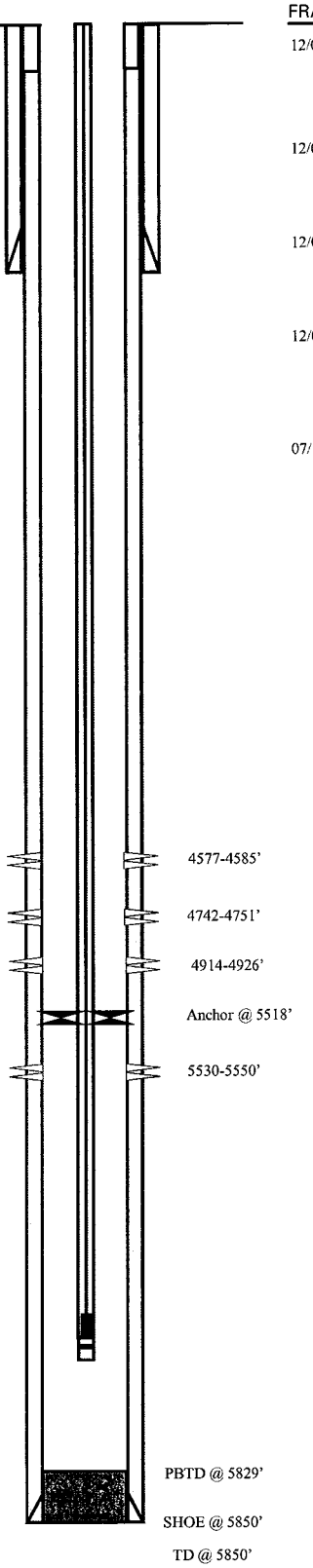
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 133 jts. (5837.43')
DEPTH LANDED: 5850.68' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 322 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP: 60'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 175 jts (5517.93')
TUBING ANCHOR: 5517.90' KB
NO. OF JOINTS: 1 jts (31.70')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5552.4' KB
NO. OF JOINTS: 2 jts (63.10')
TOTAL STRING LENGTH: EOT @ 5617' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 2-8' x 3/4" pony rod, 100-3/4"guided rods, 86-3/4" guided rods, 30-3/4" guided rods, 6-1 ½" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 14' RHAC w/SM plunger
STROKE LENGTH: 61"
PUMP SPEED, 5 SPM:



FRAC JOB

12/08/06 5530-5550' **Frac CP4, sands as follows:** 30245# 20/40 sand in 381 bbls Lightning 17 frac fluid. Treated @ avg press of 2020 psi w/avg rate of 25 BPM. ISIP 1960 psi. Calc flush: 5548 gal. Actual flush: 4998 gal.

12/08/06 4914-4926' **Frac A1 sands as follows:** 70951# 20/40 sand in 533 bbls Lightning 17 frac fluid. Treated @ avg press of 1762 psi w/avg rate of 25 BPM. ISIP 2190 psi. Calc flush: 4924 gal. Actual flush: 4452 gal.

12/08/06 4742-4751' **Frac B2 sands as follows:** 29729# 20/40 sand in 414 bbls Lightning 17 frac fluid. Treated @ avg press of 2490 psi w/avg rate of 25 BPM. ISIP 1950 psi. Calc flush: 4749 gal. Actual flush: 4242 gal.

12/08/06 4577-4585' **Frac C sands as follows:** 26560# 20/40 sand in 342 bbls Lightning 17 frac fluid. Treated @ avg press of 2804 psi w/avg rate of 25 BPM. ISIP psi. Calc flush: 4583 gal. Actual flush:4242 gal.

07/16/10 Pump Change. Rod & Tubing detail.

PERFORATION RECORD

12/05/06	5530-5550'	4 JSPF	80 holes
12/08/06	4914-4926'	4 JSPF	48 holes
12/08/06	4742-4751'	4 JSPF	36 holes
12/08/06	4577-4585'	4 JSPF	32 holes

NEWFIELD

Federal 8-22-9-16

2200' FNL & 618' FEL

SE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32959; Lease #UTU-64379

TW 09/14/10

ATTACHMENT E-9

Jonah Federal 14-14-9-16

Spud Date: 10-11-05

Put on Production: 11-22-05

GL: 5740' KB: 5752'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (301.68')

DEPTH LANDED: 312.58' KB

HOLE SIZE:12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 130 jts. (5761.28')

DEPTH LANDED: 5774.53' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

CEMENT TOP AT: 260'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

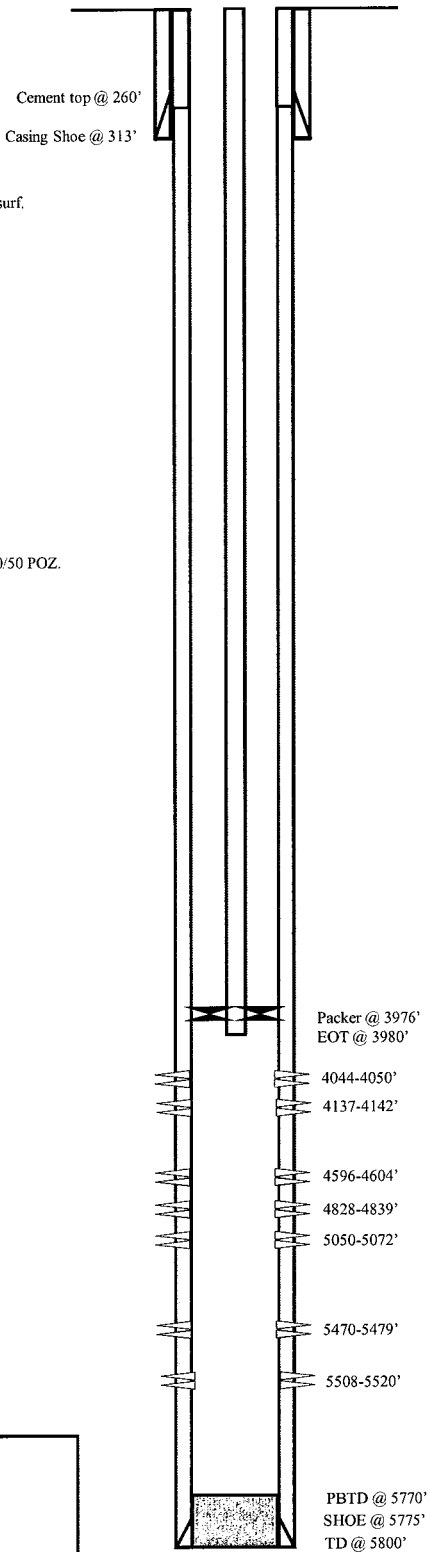
NO. OF JOINTS: 122 jts (3961.3')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3971.3'

CE @ 3975.74'

TOTAL STRING LENGTH: EOT @ 3980'



FRAC JOB

11-14-05	5470-5520'	**Frac CP1, & CP2 sands as follows:** 30835# 20/40 sand in 393 bbls Lightning 17 frac fluid. Treated @ avg press of 2008 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 5468 gal. Actual flush: 5460 gal.
11-15-05	5050-5072'	**Frac A1 sands as follows:** 100886# 20/40 sand in 724 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 25.1 BPM. ISIP 2130 psi. Calc flush: 5048 gal. Actual flush: 5082 gal.
11-15-05	4828-4839'	**Frac B1 sands as follows:** 70362# 20/40 sand in 537 bbls Lightning 17 frac fluid. Treated @ avg press of 1905 psi w/avg rate of 25.1 BPM. ISIP 2060 psi. Calc flush: 4826 gal. Actual flush: 4872 gal.
11-15-05	4596-4604'	**Frac D1 sands as follows:** 28955# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 1758 w/ avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4594 gal. Actual flush: 4518 gal.
11-15-05	4044-4142'	**Frac GB4, & GB6 sands as follows:** 31600# 20/40 sand in 333 bbls Lightning 17 frac fluid. Treated @ avg press of 1790 w/avg rate of 25.1 BPM. ISIP 1770 psi. Calc flush: 4042 gal. Actual flush: 3948 gal.
05/02/07		**Tubing Leak** - Rod & Tubing detail updated.
09/11/07		**Tubing Leak** - Rod & Tubing detail updated.
7-21-08		**Tubing Leak.** Updated rod &tubing details.
1/29/10		**Parted rods.** Updated rod and tubing detail.
05/04/11		**Convert to Injection well**
05/18/11		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

11-10-05	5508-5520'	4 JSPF	48 holes
11-10-05	5470-5479'	4 JSPF	36 holes
11-14-05	5050-5072'	4 JSPF	88 holes
11-15-05	4828-4839'	4 JSPF	44 holes
11-15-05	4596-4604'	4 JSPF	32 holes
11-15-05	4137-4142'	4 JSPF	20 holes
11-15-05	4044-4050'	4 JSPF	24 holes

NEWFIELD

Jonah Federal 14-14-9-16

507' FSL & 1684' FWL

SE/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32697; Lease #UTU-096547

LCN 05-20-11

ATTACHMENT E-10

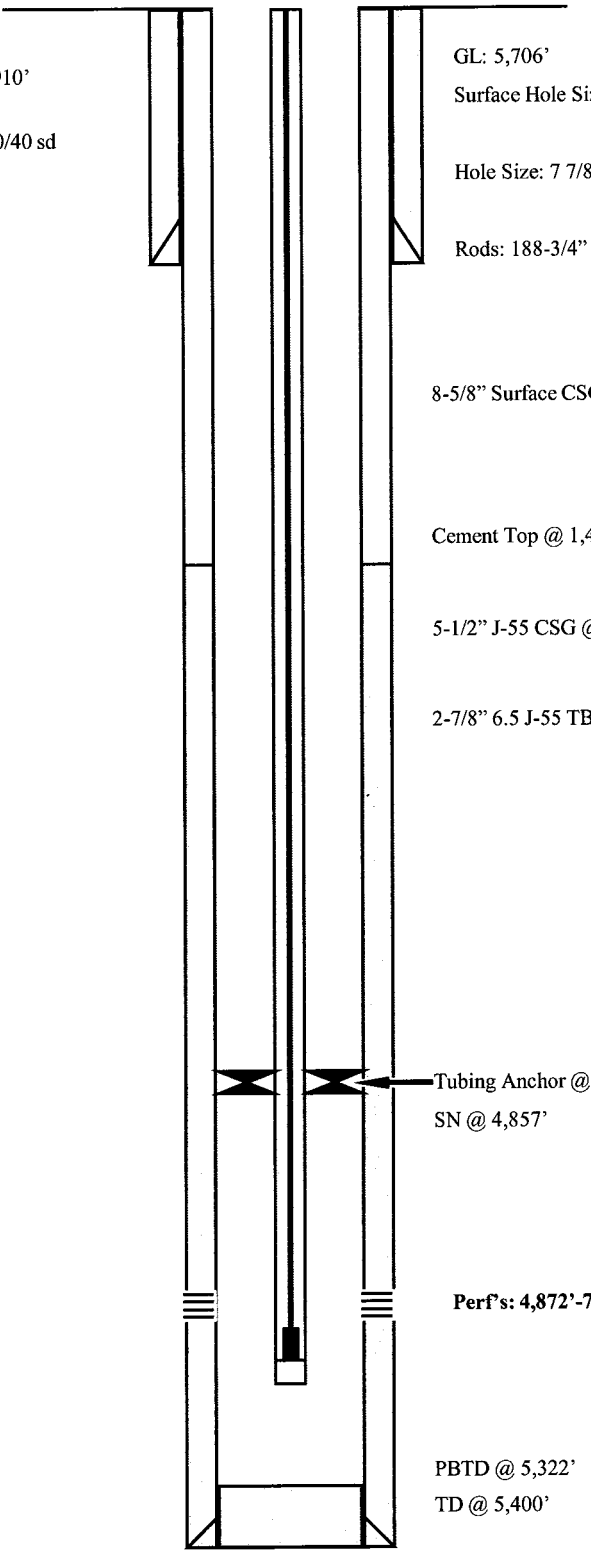
Castle Peak Federal #7-23

Wellbore Diagram

Well History:

7-26-83	Spud Well
8-11-83	Perf: 4,872'-4,878', 4,890'-4,910'

Frac A-3 zone as follows:
Totals 38,000 gal, 130,800# 20/40 sd
Max TP 2,600 @ 31 BPM
Avg TP 2,000 @ 31 BPM
ISIP 2,000, after 5 min 1,450



GL: 5,706'

Surface Hole Size: 12 1/4"

Hole Size: 7 7/8"

Rods: 188-3/4"

8-5/8" Surface CSG @ 281'

Cement Top @ 1,484'

5-1/2" J-55 CSG @ 5,373'

2-7/8" 6.5 J-55 TBG@ 4,894'

Tubing Anchor @ 4,854'

SN @ 4,857'

Perf's: 4,872'-78', 4,890'-4,910'(A-1)

PBTD @ 5,322'

TD @ 5,400'

NEWFIELD

Castle Peak Federal #7-23
1967 FNL 1985 FEL
SWNE Section 23-T9S-R16E
Duchesne Co, Utah
API #43-013-30662; Lease #U-15855

NEWFIELD

GMBU R-14-9-16

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: SE/SW Section 14, T9S, R16E; 540' FSL & 1,674' FWL

Elevation: 5746' GL + 13' KB

API Number: 43-013-51677; Lease Number: UTU-096547

Sam Styles
PFM 1/21/14
Spud Date: 5/30/13
PoP Date: 7/12/2013

CASING DETAIL

Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
Surf	13'	303'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	13'	6,242'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875

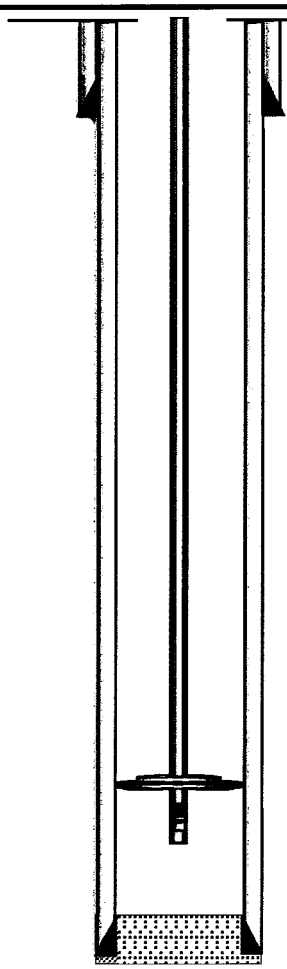
TBG DETAIL

Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger
13'	5,855'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,757'

ROD DETAIL

Component	Top	Bottom	Size	Grade	Length	Count	Pump
Polish Rod	0'	30'	1 1/2"	Spray Metal	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5786'
Pony Rod	30'	36'	7/8"	Tenaris D78	6	1	
4per Guided Rod	36'	1,736'	7/8"	Tenaris D78	1700	68	
4per Guided Rod	1,736'	5,036'	3/4"	Tenaris D78	3300	132	
8per Guided Rod	5,036'	5,786'	7/8"	Tenaris D78	750	30	

Stage	Top	Bottom	SPF	EHD	Date	Frac Summary			
4	0'	0'	2	-	-	Formation:	GB-6 GB-4		
	0'	0'	2	-	-	20/40 White:	69,120 lbs	15% HCl:	0 gals
	0'	0'	2	-	-	Slickwater:	4,567 gals	17# Delta 140:	20,459 gals
	4,243'	4,246'	2	0.34	7/1/2013	FG=	0.870 psi/ft	Load to Recover:	25,026 gals
	4,251'	4,252'	2	0.34	7/1/2013			Max STP:	2,779 psi
	4,261'	4,263'	2	0.34	7/1/2013				
	4,347'	4,352'	2	0.34	7/1/2013				
3	0'	0'	2	-	-	Formation:	B-2		
	0'	0'	2	-	-	20/40 White:	55,520 lbs	15% HCl:	500 gals
	0'	0'	2	-	-	Slickwater:	5,662 gals	17# Delta 140:	16,891 gals
	0'	0'	2	-	-	FG=	0.840 psi/ft	Load to Recover:	23,053 gals
	5,132'	5,134'	2	0.34	7/1/2013			Max STP:	2,764 psi
	5,137'	5,139'	2	0.34	7/1/2013				
	5,141'	5,145'	2	0.34	7/1/2013				
2	0'	0'	3	-	-	Formation:	A-3		
	0'	0'	3	-	-	20/40 White:	50,300 lbs	15% HCl:	500 gals
	0'	0'	3	-	-	Slickwater:	5,524 gals	17#'Delta 140:	15,417 gals
	0'	0'	3	-	-	FG=	0.860 psi/ft	Load to Recover:	21,441 gals
	0'	0'	3	-	-			Max STP:	3,047 psi
	5,340'	5,342'	3	0.34	7/1/2013				
	5,345'	5,349'	3	0.34	7/1/2013				
1	0'	0'	3	-	-	Formation:	CP-1		
	0'	0'	3	-	-	20/40 White:	30,200 lbs	15% HCl:	750 gals
	0'	0'	3	-	-	Slickwater:	5,614 gals	17# Delta 140:	10,059 gals
	0'	0'	3	-	-	FG=	0.760 psi/ft	Load to Recover:	16,423 gals
	0'	0'	3	-	-			Max STP:	3,117 psi
	5,767'	5,768'	3	0.34	7/1/2013				
	5,770'	5,774'	3	0.34	7/1/2013				



8-5/8"Shoe @ 303.26'

EOT @ 5855.08'; TA @ 5756.5'
5-1/2"Shoe @ 6242.02'
PBTD @ 6166.0'
TVD @ 5984'; MD @ 6,250'
BHST = 170°F

CEMENT

Surf	On 5/30/13 cement w/Pro Petro w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield. Returned 5bbls to pit, bump plug to 500psi
Prod	On 6/13/13 cement production casing W/ 260 sx lead 11.0 ppg cement followed by 440 sx 14.4 ppg tail cement Bumped plug w/ 500 psi over floats held. 15 bbls back to reserve pit. TOC @ 52'.

NEWFIELD

GMBU Y-14-9-16

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: NE/NE Section 22, T9S, R16E; 922' FNL & 944' FEL

Elevation: 5746' GL + 10' KB

API Number: 43-013-51678; Lease Number: UTU-74392

Paul Lambcke
PFM 1/21/14
Spud Date: 5/6/13
PoP Date: 6/10/2013

CASING DETAIL

Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
Surf	10'	339'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,206'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875

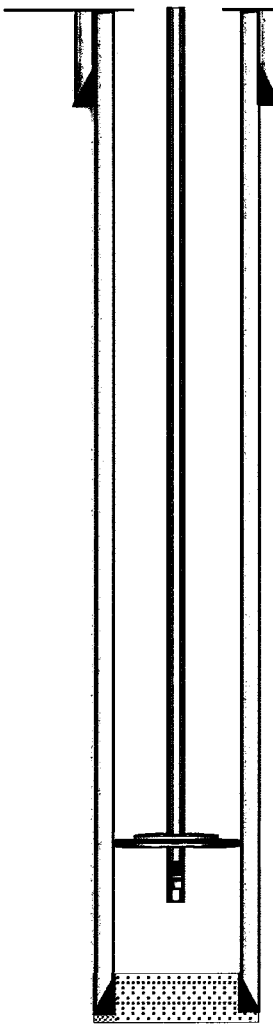
TBG DETAIL

Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hangar
10'	6,125'	BEUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 6,026'

ROD DETAIL

Component	Top	Bottom	Size	Grade	Length	Count	Pump
Polish Rod	0'	30'	1 1/2"	C(API)	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 6050'
Pony Rod	30'	32'	7/8"	C(API)	2	1	
Pony Rod	32'	36'	7/8"	C(API)	4	1	
Pony Rod	36'	42'	7/8"	C(API)	6	1	
Pony Rod	42'	50'	7/8"	C(API)	8	1	
4per Guided Rod	50'	1,875'	7/8"	Tenaris D78	1825	73	
4per Guided Rod	1,875'	5,300'	3/4"	Tenaris D78	3425	137	
8per Guided Rod	5,300'	6,050'	7/8"	Tenaris D78	750	30	

Stage	Top	Bottom	SPF	EHD	Date	Frac Summary
4	0'	0'	3	-	-	**Formation:** GB6
	0'	0'	3	-	-	**20/40 White:** 47,686 lbs **15% HCl:** 0 gals
	0'	0'	3	-	-	**Pad:** 4,145 gals **Treating Fluid:** 9,501 gals
	0'	0'	3	-	-	**Flush:** 4,360 gals **Load to Recover:** 18,006 gals
	0'	0'	3	-	-	**ISIP=** 1.108 psi/ft **Max STP:** 3,117 psi
	0'	0'	3	-	-	
	4,204'	4,210'	3	0.34	5/31/2013	
3	0'	0'	3	-	-	**Formation:** D3 D1
	0'	0'	3	-	-	**20/40 White:** 67,789 lbs **15% HCl:** 504 gals
	0'	0'	3	-	-	**Pad:** 2,600 gals **Treating Fluid:** 15,487 gals
	0'	0'	3	-	-	**Flush:** 4,805 gals **Load to Recover:** 23,396 gals
	4,744'	4,746'	3	0.34	5/31/2013	**ISIP=** 0.827 psi/ft **Max STP:** 4,020 psi
	4,839'	4,842'	3	0.34	5/31/2013	
	4,844'	4,846'	3	0.34	5/31/2013	
2	0'	0'	3	-	-	**Formation:** A3 A-Half B2
	0'	0'	3	-	-	**20/40 White:** 104,572 lbs **15% HCl:** 504 gals
	0'	0'	3	-	-	**Pad:** 4,696 gals **Treating Fluid:** 23,590 gals
	5,043'	5,045'	3	0.34	5/31/2013	**Flush:** 4,998 gals **Load to Recover:** 33,788 gals
	5,109'	5,112'	3	0.34	5/31/2013	**ISIP=** 0.838 psi/ft **Max STP:** 3,267 psi
	5,227'	5,230'	3	0.34	5/31/2013	
	5,238'	5,240'	3	0.34	5/31/2013	
1	0'	0'	3	-	-	**Formation:** CP5
	0'	0'	3	-	-	**20/40 White:** 86,195 lbs **15% HCl:** 756 gals
	0'	0'	3	-	-	**Pad:** 5,418 gals **Treating Fluid:** 19,907 gals
	0'	0'	3	-	-	**Flush:** 5,951 gals **Load to Recover:** 32,032 gals
	5,968'	5,970'	3	0.34	5/29/2013	**ISIP=** 0.909 psi/ft **Max STP:** 3,665 psi
	5,999'	6,000'	3	0.34	5/29/2013	
	6,042'	6,046'	3	0.34	5/29/2013	



8-5/8"Shoe @ 339.06'

EOT @ 6124.8'; TA @ 6026.1'
5-1/2"Shoe @ 6206.34'
PBTD @ 6206.0'
TVD @ 5978'; MD @ 6,243'
BHST = 170°F

CEMENT

Surf	On 5/7/13 Baker Hughes cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 4 bbls to the pit.
Prod	On 5/18/13 Baker pumped 265sks lead @ 11 ppg w/ 3.53 yield plus 475 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 25 bbls to the pit. TOC @ 36'.

GMBU C-23-9-16

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: SE/SW Section 14, T9S, R16E; 539' FSL & 1,695' FWL

Elevation: 5746' GL + 13' KB

API Number: 43-013-51682; Lease Number: UTU-096547

Sam Styles
PFM 1/21/14
Spud Date: 5/30/13
PoP Date: 7/12/2013

CASING DETAIL

Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
Surf	13'	303'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	13'	6,143'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875

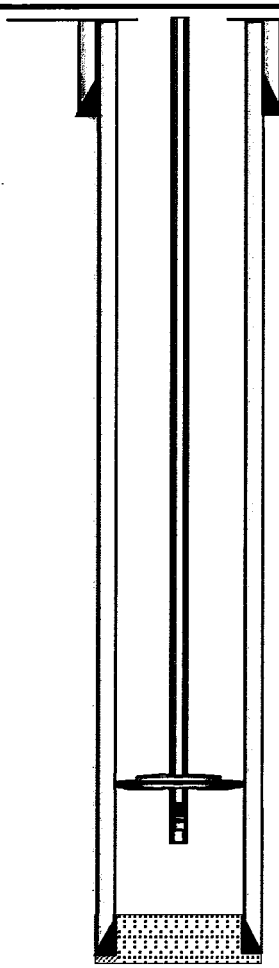
TBG DETAIL

Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger
13'	5,727'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,629'

ROD DETAIL

Component	Top	Bottom	Size	Grade	Length	Count	Pump
Polish Rod	0'	30'	1 1/2"	Spray Metal	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5650'
Pony Rod	30'	50'	7/8"	Tenaris D78	20	1	
4per Guided Rod	50'	1,800'	7/8"	Tenaris D78	1750	70	
4per Guided Rod	1,800'	4,900'	3/4"	Tenaris D78	3100	124	
8per Guided Rod	4,900'	5,650'	7/8"	Tenaris D78	750	30	

Stage	Top	Bottom	SPF	EHD	Date	Frac Summary			
4	4,155'	4,156'	2	0.34	7/1/2013	**Formation:**	GB-6 GB-4		
	4,163'	4,165'	2	0.34	7/1/2013	**20/40 White:**	119,460 lbs	**15% HCl:**	0 gals
	4,170'	4,171'	2	0.34	7/1/2013	**Slickwater:**	4,674 gals	**17# Delta 140:**	37,287 gals
	4,210'	4,212'	2	0.34	7/1/2013	**FG=**	0.870 psi/ft	**Load to Recover:**	41,961 gals
	4,214'	4,215'	2	0.34	7/1/2013			**Max STP:**	3,311 psi
	4,225'	4,227'	2	0.34	7/1/2013				
	4,246'	4,248'	2	0.34	7/1/2013				
3	0'	0'	2	-	-	**Formation:**	D-3 D-1		
	4,713'	4,714'	2	0.34	7/1/2013	**20/40 White:**	85,200 lbs	**15% HCl:**	500 gals
	4,716'	4,718'	2	0.34	7/1/2013	**Slickwater:**	5,320 gals	**17# Delta 140:**	24,902 gals
	4,722'	4,723'	2	0.34	7/1/2013	**FG=**	0.840 psi/ft	**Load to Recover:**	30,222 gals
	4,729'	4,730'	2	0.34	7/1/2013			**Max STP:**	2,799 psi
	4,733'	4,735'	2	0.34	7/1/2013				
	4,803'	4,807'	2	0.34	7/1/2013				
2	0'	0'	2	-	-	**Formation:**	A-3 A-1		
	0'	0'	2	-	-	**20/40 White:**	65,200 lbs	**15% HCl:**	500 gals
	0'	0'	2	-	-	**Slickwater:**	5,696 gals	**17# Delta 140:**	19,442 gals
	0'	0'	2	-	-	**FG=**	0.810 psi/ft	**Load to Recover:**	25,638 gals
	5,094'	5,097'	2	0.34	7/1/2013			**Max STP:**	2,692 psi
	5,211'	5,213'	2	0.34	7/1/2013				
	5,215'	5,218'	2	0.34	7/1/2013				
1	0'	0'	3	-	-	**Formation:**	CP-2		
	0'	0'	3	-	-	**20/40 White:**	15,300 lbs	**15% HCl:**	750 gals
	0'	0'	3	-	-	**Slickwater:**	6,192 gals	**17# Delta 140:**	6,279 gals
	0'	0'	3	-	-	**FG=**	0.770 psi/ft	**Load to Recover:**	13,221 gals
	0'	0'	3	-	-			**Max STP:**	3,490 psi
	0'	0'	3	-	-				
	5,633'	5,639'	3	0.34	7/1/2013				



8-5/8"Shoe @ 303.24'

EOT @ 5727.01'; TA @ 5628.5'
5-1/2"Shoe @ 6142.95'
PBTD @ 6096'
TVD @ 5945'; MD @ 6,140'
BHST = 170°F

CEMENT

Surf	On 5/31/13 cement w/Pro Petro w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield. Returned 3 bbls to pit, bump plug to 600psi
Prod	On 6/19/13 cement production casing W/ 260 sx lead 11.0 ppg cement followed by 470 sx 14.4 ppg tail cement Bumped plug floats held. 25 bbls back to reserve pit. TOC @ 50'.

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

multi-chem®
A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **CASTLE PEAK 6-23-9-16**
Sample Point: **Wellhead**
Sample Date: **6/17/2013**
Sample ID: **WA-245623**

Sales Rep: **Michael McBride**
Lab Tech: **Layne Wilkerson**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	6/21/2013
System Temperature 1 (°F):	120
System Pressure 1 (psig):	60
System Temperature 2 (°F):	210
System Pressure 2 (psig):	60
Calculated Density (g/ml):	1.009
pH:	8.70
Calculated TDS (mg/L):	16599.72
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	0.00
H_2S in Gas (%):	
H2S in Water (mg/L):	0.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	6242.77	Chloride (Cl):	9000.00
Potassium (K):	56.86	Sulfate (SO_4):	12.00
Magnesium (Mg):	2.37	Bicarbonate (HCO_3):	1244.40
Calcium (Ca):	9.49	Carbonate (CO_3):	
Strontium (Sr):	1.03	Acetic Acid (CH_3COO)	
Barium (Ba):	0.17	Propionic Acid (C_2H_5COO)	
Iron (Fe):	21.70	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.60	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.00	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.33	Silica (SiO_2):	8.00

Notes:
B=5.26

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.23	7.75	0.00	0.00	0.00	0.00	3.58	15.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	1.19	7.69	0.00	0.00	0.00	0.00	3.54	15.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	1.15	7.63	0.00	0.00	0.00	0.00	3.50	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	1.11	7.56	0.00	0.00	0.00	0.00	3.46	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	1.07	7.49	0.00	0.00	0.00	0.00	3.41	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	1.03	7.42	0.00	0.00	0.00	0.00	3.37	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	1.00	7.35	0.00	0.00	0.00	0.00	3.32	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.96	7.27	0.00	0.00	0.00	0.00	3.27	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.93	7.19	0.00	0.00	0.00	0.00	3.22	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.90	7.11	0.00	0.00	0.00	0.00	3.17	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

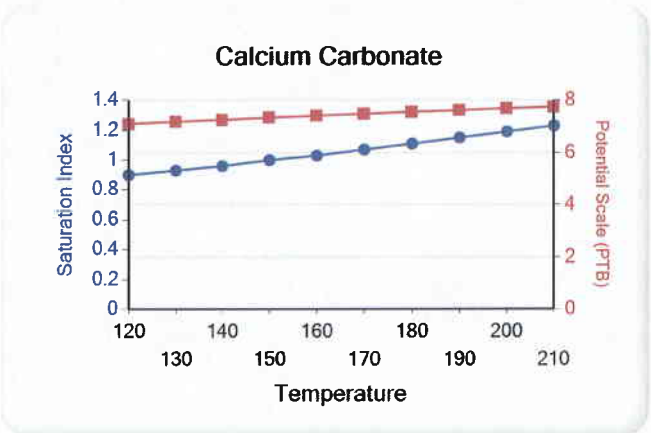
multi-chem
A HALLIBURTON SERVICE

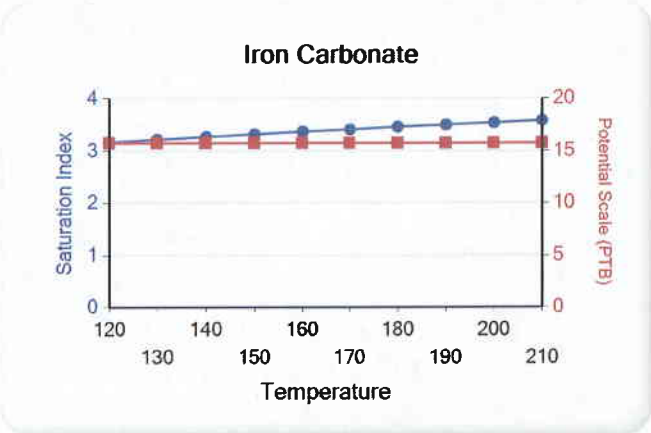
Water Analysis Report

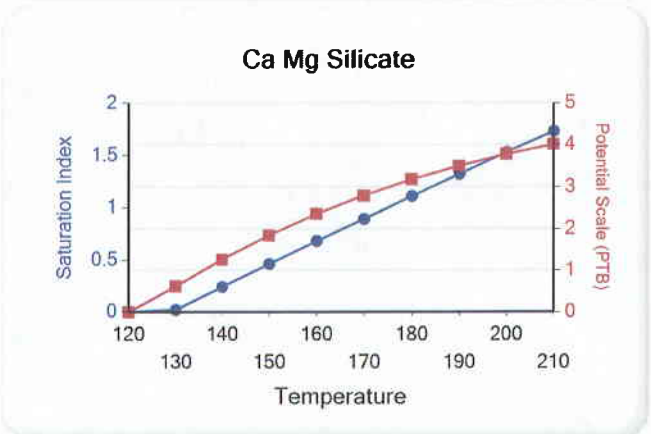
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.40	0.00	0.00	4.22	4.47	1.73	4.01	13.59	8.67
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	0.40	0.00	0.00	3.86	4.38	1.53	3.78	13.35	8.67
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.40	0.00	0.00	3.50	4.27	1.32	3.51	13.11	8.67
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	0.40	0.00	0.00	3.12	4.11	1.11	3.18	12.87	8.67
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.40	0.00	0.00	2.74	3.92	0.89	2.80	12.62	8.67
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.40	0.00	0.00	2.36	3.67	0.68	2.35	12.37	8.67
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.39	0.00	0.00	1.96	3.34	0.46	1.84	12.12	8.67
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.39	0.00	0.00	1.57	2.94	0.24	1.27	11.87	8.67
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.39	0.00	0.00	1.17	2.44	0.02	0.62	11.63	8.67
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.38	0.00	0.00	0.77	1.83	0.00	0.00	11.38	8.67

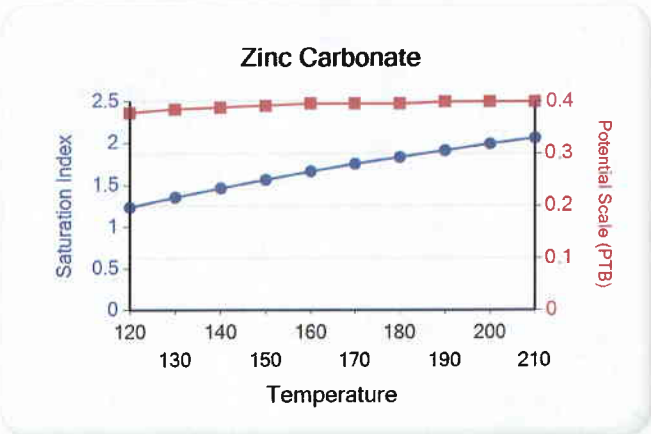
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Mg Silicate Fe Silicate





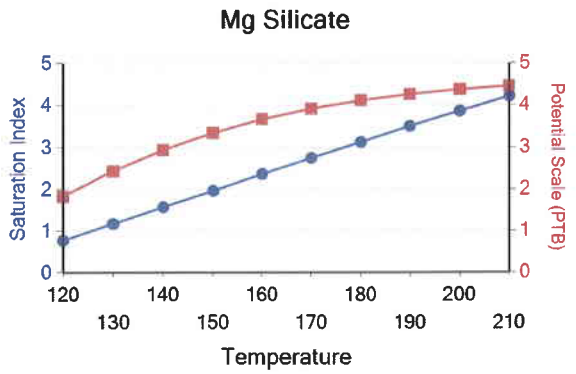


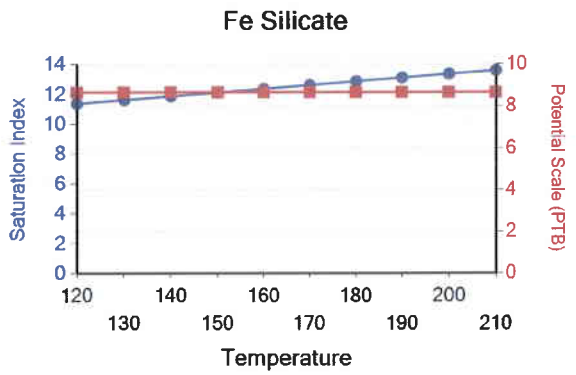


Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

multi-chem
A HALLIBURTON SERVICE

Water Analysis Report





ATTACHMENT F

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

multi-chem
A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **BELUGA INJECTION**
Sample Point: **After Filters**
Sample Date: **11/28/2012**
Sample ID: **WA-228948**

Sales Rep: **Michael McBride**
Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	12/5/2012
System Temperature 1 (°F):	120.00
System Pressure 1 (psig):	60.0000
System Temperature 2 (°F):	210.00
System Pressure 2 (psig):	60.0000
Calculated Density (g/ml):	1.003
pH:	7.40
Calculated TDS (mg/L):	7933.86
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	13.00
H_2S in Gas (%):	
H2S in Water (mg/L):	7.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	2814.83	Chloride (Cl):	4000.00
Potassium (K):	20.00	Sulfate (SO_4):	460.00
Magnesium (Mg):	47.00	Bicarbonate (HCO_3):	512.00
Calcium (Ca):	79.00	Carbonate (CO_3):	
Strontium (Sr):		Acetic Acid (CH_3COO)	
Barium (Ba):	0.14	Propionic Acid (C_2H_5COO)	
Iron (Fe):	0.17	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.02	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.00	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.70	Silica (SiO_2):	

Notes:
11:30

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.96	36.46	0.00	0.00	1.15	0.09	0.30	0.06	0.00	0.00	0.00	0.00	0.00	0.00	7.08	0.01
200.00	60.00	0.89	33.50	0.00	0.00	1.11	0.09	0.22	0.05	0.00	0.00	0.00	0.00	0.00	0.00	7.13	0.01
190.00	60.00	0.81	30.53	0.00	0.00	1.06	0.08	0.15	0.04	0.00	0.00	0.00	0.00	0.00	0.00	7.19	0.01
180.00	60.00	0.73	27.58	0.00	0.00	1.03	0.08	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	7.25	0.01
170.00	60.00	0.66	24.68	0.02	0.00	0.99	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.32	0.01
160.00	60.00	0.59	21.85	0.05	0.01	0.97	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	0.01
150.00	60.00	0.52	19.12	0.08	0.01	0.95	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.48	0.01
140.00	60.00	0.45	16.50	0.12	0.02	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.57	0.01
130.00	60.00	0.39	14.02	0.17	0.03	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.67	0.01
120.00	60.00	0.33	11.69	0.23	0.04	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.79	0.01

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

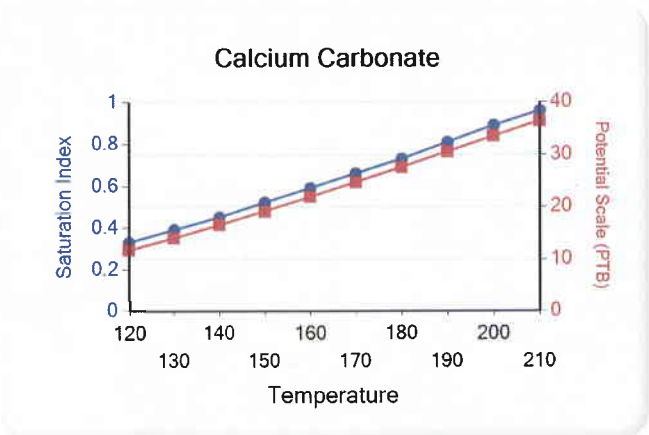
multi-chem
A HALLIBURTON SERVICE

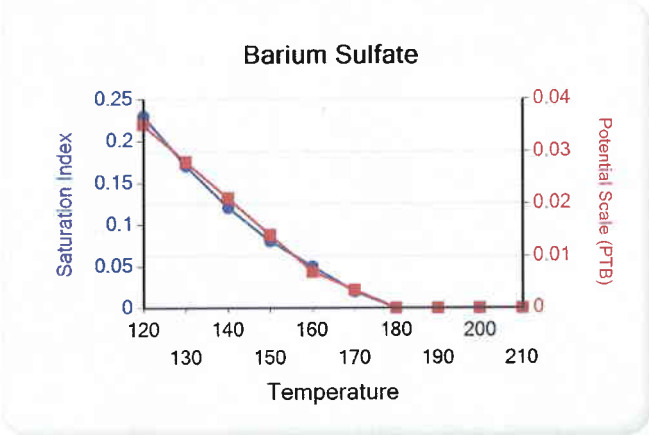
Water Analysis Report

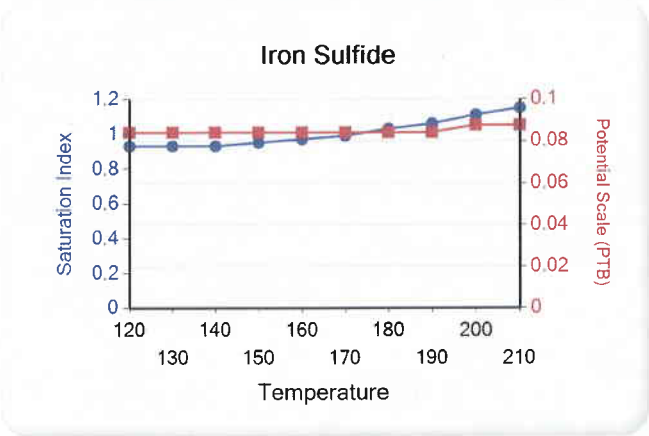
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

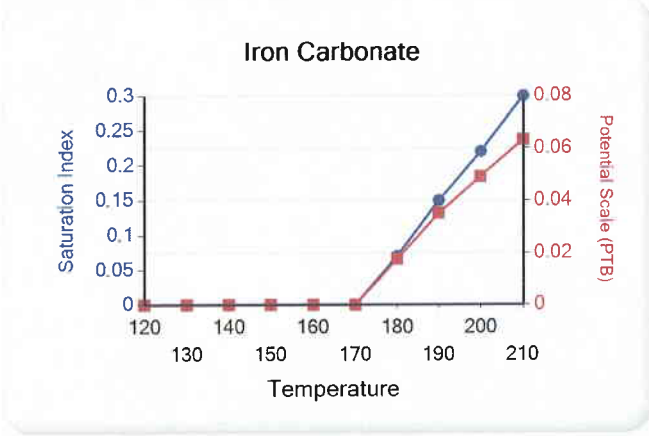
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Zinc Sulfide





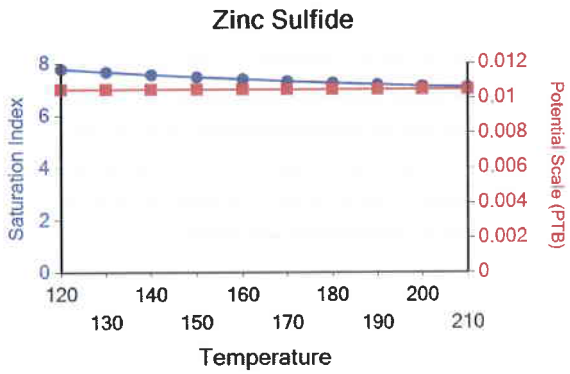




Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

multi-chem®
A HALLIBURTON SERVICE

Water Analysis Report



Attachment "G"

Castle Peak Federal #6-23-9-16
Proposed Maximum Injection Pressure

Frac Interval (feet) Top	Bottom	Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
4926	4949	4938	1950	0.83	1918 ←
				Minimum	1918

Calculation of Maximum Surface Injection Pressure
Pmax = (Frac Grad -(0.433*1.015)) x Depth of Top Perf
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433*Top Perf.))/Top Perf.

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

Castle Peak Fed #6-23 - Lomax Exploration
Location: Sec. 23, T9S, R16E
Duchesne Co., Utah
Projected TD: 5500' Zone: Green River
Prospect: Castle Peak
EEI WI; 40%

7/31/84 - "INITIAL REPORT" - Well spudded at 5:15 a.m. on 7-30-84. Ran 7 jts 8-5/8" 24# J-55 casing. Landed at 295' GL. Cemented w/210 sxs Class "G" + 2% CaCl + sk flocele. Bumped plug. Float held. Had cement returns to surface. CC: $23,259.

8/1/84 Drilling at 1543'. Made 1203'. MW water. CC: $28,627.

8/2/84 TD 2743'. Drilling with bit #1. Made 1200'. MW water. Deviation of 2° at 2334'. CC: $51,393.

8/4/84 TD 4741 feet. Drilling. Made 561'. MW 8.5, PH 9, Cl 14,900. CC: $74,956.

8/5/84 TD 5026'. Drilling. Made 285', MW 8.5, PH 9.5, Cl 23,200. Survey: 4939' at 1-1/2°. Tripped for hole in drill pipe. CC: $79,627.

8/6/84 TD 5500'. Logging. Made 474'. MW 8.6, PH 9.5, Cl 23,400. Survey: 2° at 5500'. Tripped out SLM for logs; RU to run logs. CC: $86,645.

8/7/84 TD 5000'. Running casing. CC: $106,576.

8/8/84 Casing was set at 5496', 140 jts 5½", 17# ST & C, J-55. Cemented w/120 sxs Lodense, 250 sxs Gypseal. Bump plug to 2000 psi. Float held. Set snaps. Cut off casing. Clean mud tanks. Rig released at 11:30 a.m. on 8/7/84. CC: $153,94

8/9-15/84 WOCU

8/16/84 WOCU

8/18/84 MIRUSU. NU BOP. PU tubing and TIH w/bit and scraper to PBTD. Circ hole with 5% KCL w/clay stab. TOH. Test casing to 3000 psi. Ran CBL/VDL/GR log from 5441' - 3000', and across cement top at 3068'. RDWL. SDFN. CC: $182,015.

8/19/84 RUWL. Perf FDC/DNL intervals 4926'-30', 4933'-37', 4940-45', 4947'-49. RDWL. TIH w/packer and set at 4833'. Breakdown w/rig pump at 1500 psi. RU to swab. IFL at surface, FFL at 4700'. Recovered 26 BLW. Final swab rate ½ BPH. Final oil cut 20%. Mod gas. RU Halliburton. Breakdown w/2000 gal 5% KCL water and 25 ball sealers. Balled off. Avg rate 5 BPM at 2800 psi. Surged off balls. TIH w/packer across perfs. Reset packer at 4833'. RU to swab. IFL at 500', FFL at 4400'. Made 11 swab runs, recovered 32 BLW, 7 BNO. Final swab rate 1½ BPH Final oil cut 100%. Strong gas. SDFN. CC: $189,030.

8/21/84 36 hr SITP 300 psi. RU to swab. IFL at 900'. Could not get down, swab down. Unseat packer. Reverse tbg to tank. Reset packer. RU swab. IFL at surface, FFL at 4500'. Made 11 swab runs, recovered 8 BLW, 13 BNO. Final oil cut 100%. Moderate gas. SDFN. CC: $189,350.

8/22/84 SI after frac. 14 hr SITP 270 psi. RU to swab. Could not get down. Unseat (cont.)

Castle Peak Fed #6-23 - Lomax Exploration
Location: Sec. 23, T9S, R16E
Duchesne County, Utah
Projected TD: 5500' Zone: Green River
Prospect: Castle Peak
EEI WI: 40%

8/22/84 (cont.) packer. Reverse oil out of tubing. RU to swab. Swabbed well down. TOH. RU Halliburton. Frac as follows: 1) Pumped 10,000 gal pad 2) Pumped 3,000 gas 2 ppg 20/40 sand, 3) pumped 3,500 gal 4 ppg 20/40 sand 4) Pumped 4,500 gal 5 ppg 20/40 sand, 5) Pumped 5,000 gal 6 ppg 20/40 sand, 6) 3,000 gal 8 ppg 20/40 sand, 7) completed flush at 2650 psi at 29.5 BPM, ISIP 1950, 1770 after 5 minutes, 1690 after 10 minutes 1650 after 15 minutes. CC: $210,738.

8/23/84 Swabbing. 17 hrs SITP 190 psi. Flowed well to tank on 10/64" choke for two hours. Recovered 4 BLW 3 BNO. TIH w/notch collar. Landed end of tbg at 7402'. RU to swab. IFL 800'. Final FL 3750'. Made 12 swab runs. Recovered 87 BLW 23 BNO. Final swab rate 22 bbls per hour. Final oil cut 85%. Mod gas, trace sand parted sand line. TOH. Retrieve swab tubing. TIH w/packer and set at 4040'. Shut down for night. CC: $214,468.

8/25/84 Present operation-prep to swab. (7 days). 14 hr SITP 340 psi. Flow to tank for 2 hrs. Rec. 7 BNO. Unseated pkr. TIH to tag sand @ 5111'. TOH, w/pkr. RU prod string. TIH to top of snad. Reverse sand out to 5444'. TOH. Land EOT @ 4985'. RD BOP & set anchor w/11,000# tension. NC @ 4985', 4 jts tbg, anchor @ 4799', SN @ 4862', 2 jts tbg, 153 jts to surf. SDFN. COST: $220,328.

8/26/84 Present Operation - SI for BHPBU (8 days). 12 hr SITP _ csg 50 psi. RU to swab. IFL @ 1200', FFL @ 1700'. Made 24 swab runs. Rec. 93 BLW, 24 BNO. Final swab rate 13 BPH. Final oil cut 40%. No sand, mud gas. RD swab. RUWL. Ran BHP bomb. Landed @ 4900' on btm @ 2:30 PM. BD for weekend. COST: $222,848.

8/27/84 Present Operation - SI for BHPBU. COST: $223,098.

8/28/84 SITP 300 psi. TOH w/BHP bomb. ROWL. 40½ SIBHP 1696 psi. TIH w/1½" axelson pump, 4 wt rods, 92-3/4" plain rods, 97-3/4" scrapered rods. Space out and test pump. RDMOSU. CC: $234,208.

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 4876'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	1190' balance plug using 24 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5.	Plug #4	Pump 40 sx Class "G" cement down 5 ½" casing to 345'

The approximate cost to plug and abandon this well is $42,000.

ATTACHMENT H-1

Castle Peak Federal 6-23-9-16

Spud Date: 7-30-84

Put on Production: 9-11-84

GL: 5725' KB: 5737'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (295.0')

DEPTH LANDED: 295'

HOLE SIZE: 12-1/4"

CEMENT DATA: 210sxs Class "G" cmt + 2" CaCl + sk Flocele.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 17#

LENGTH: 140 jts.(5497.24')

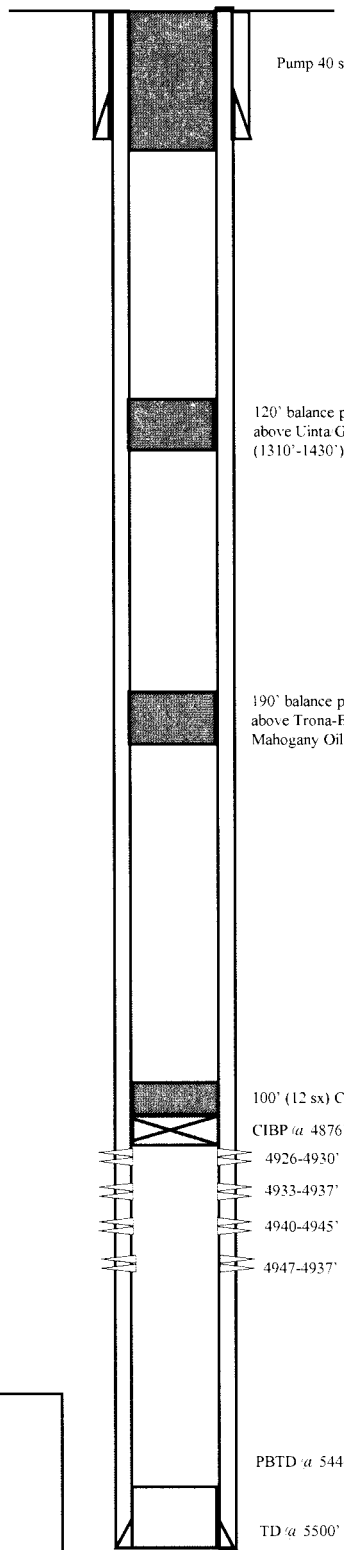
HOLE SIZE: 7-7/8"

DEPTH LANDED: 5495.95'

CEMENT DATA: 120 sxs Lodense, 250 sxs Gypseal.

CEMENT TOP AT:000'

Proposed P & A
Wellbore Diagram



Pump 40 sx Class "G" Cement down 5-1/2" casing to 345'

120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1310'-1430')

190' balance plug using 24 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2618'-2808')

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4876'

4926-4930'

4933-4937'

4940-4945'

4947-4937'

PBTD @ 5444'

TD @ 5500'

NEWFIELD

Castle Peak Federal #6-23

1970'FWL & 1980 'FNL

Section 23, T9S, R16E

Duchesne Co, Utah

API # 43-013-30873; Lease # UTU-15855

JL 11 22 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL Oil Well	**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-15855
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	**8. WELL NAME and NUMBER:** CASTLE PEAK FED 6-23
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052 **PHONE NUMBER:** 435 646-4825 Ext	**9. API NUMBER:** 43013308730000
4. LOCATION OF WELL **FOOTAGES AT SURFACE:** 1980 FNL 1970 FWL **QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SENW Section: 23 Township: 09.0S Range: 16.0E Meridian: S	**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE **COUNTY:** DUCHESNE **STATE:** UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SUBSEQUENT REPORT Date of Work Completion: 3/4/2014	✓ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 03/03/2014. On 03/03/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/04/2014 the casing was pressured up to 1665 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 325 psig during the test. There was a State representative available to witness the test - Chris Jensen.

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 13, 2014

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	**PHONE NUMBER** 435 646-4874	**TITLE** Water Services Technician	
SIGNATURE N/A		**DATE** 3/13/2014	

Mechanical Integrity Test
Casing or Annulas Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Chris Jensen Date: 3 / 4 / 14 Time: 9.00 (am) pm

Test Conducted by: Everett Unruh

Others Present: _____

Well:	Castle Peak Federal 6-23-9-16	Field:	Monument Butte
Well Location:	SENW Sec 23 T9S R16E Duchesne County, UT	API No:	43-013-30873

Time	Casing Pressure	
0 min	1665	psig
5	1666	psig
10	1665	psig
15	1665	psig
20	1665	psig
25	1666	psig
30 min	1665	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing Pressure: 325 psig

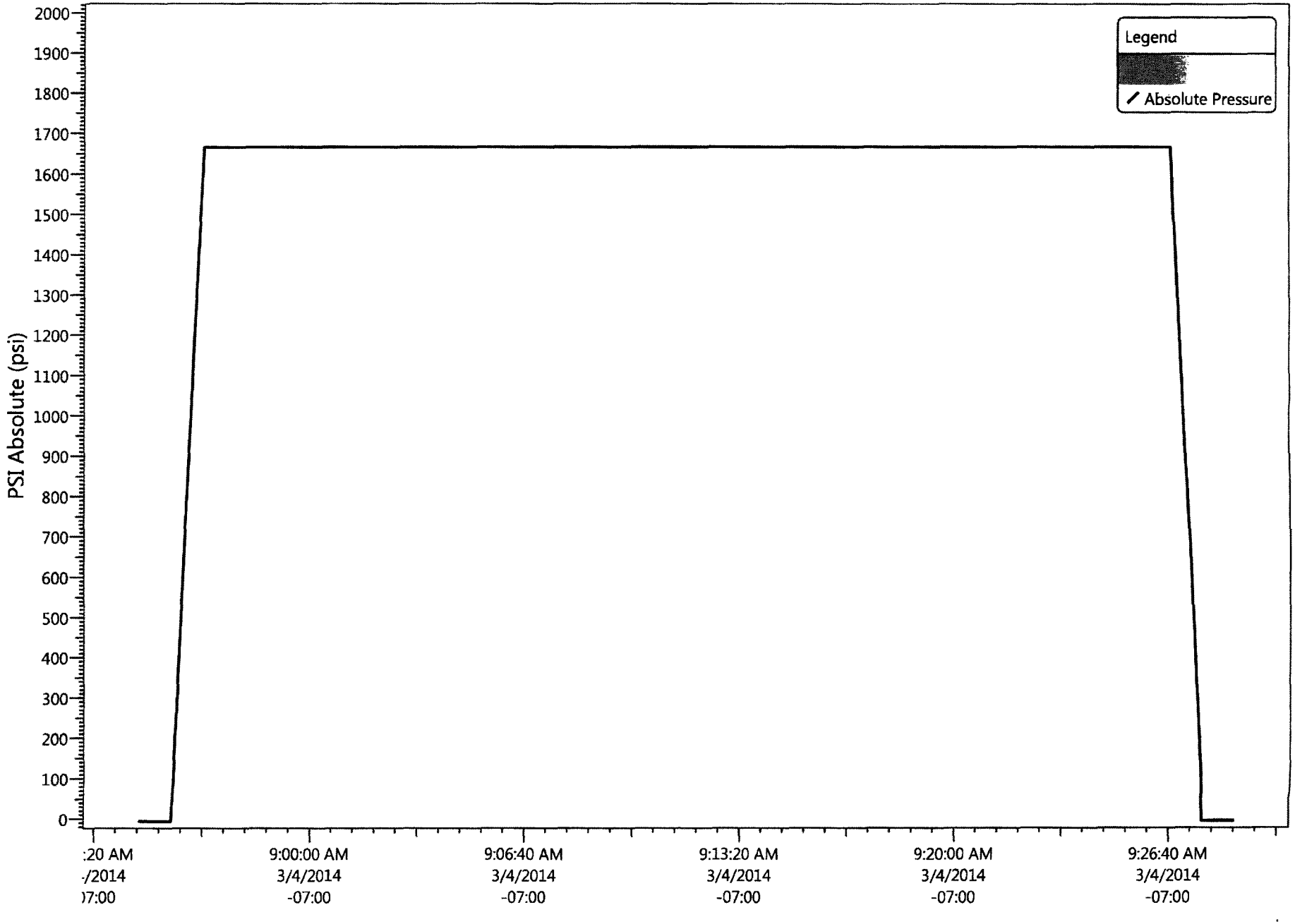
Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Everett Unruh

Castle Peak Federal 6-23-9-16

3/4/2014 8:53:41 AM



Sundry Number: 48783 API Well Number: 43013308730000

Daily Activity Report

Format For Sundry

CASTLE PK 6-23-9-16

12/1/2013 To 4/28/2014

2/21/2014 Day: 1 **Recompletion**

WWS #7 on 2/21/2014 - MIRUSU. Test tbg to 3000 psi. LD rods on trailer. RU BOP's. Release TA. - Held safety meeting & discussed JSA's & location hazards. Shut unit down. MIRUSU. Pump 60 bbls hot water down casing. - Unseat pump. Flush rods w/ 35 bbls water. Soft set pump & test tbg to 3000 psi w/ 5 bbls. TOOH w/ rods laying down on trailer, 1-1/2" x 22' polish rod, 2', 8' x 3/4" pny rds, 97- 3/4" guided, 92- 3/4" slick, 4- 1-1/2" K-Bars. Flush w/ 30 bbls half way out. Flush w/ 40 bbls. Pumped 170 bbls & well circulated 60 bbls. - Release TA. RU BOP's. SIFN. - Held safety meeting & discussed JSA's & location hazards. Shut unit down. MIRUSU. Pump 60 bbls hot water down casing. - Release TA. RU BOP's. SIFN. - Release TA. RU BOP's. SIFN. - Held safety meeting & discussed JSA's & location hazards. Shut unit down. MIRUSU. Pump 60 bbls hot water down casing. - Unseat pump. Flush rods w/ 35 bbls water. Soft set pump & test tbg to 3000 psi w/ 5 bbls. TOOH w/ rods laying down on trailer, 1-1/2" x 22' polish rod, 2', 8' x 3/4" pny rds, 97- 3/4" guided, 92- 3/4" slick, 4- 1-1/2" K-Bars. Flush w/ 30 bbls half way out. Flush w/ 40 bbls. Pumped 170 bbls & well circulated 60 bbls. - Unseat pump. Flush rods w/ 35 bbls water. Soft set pump & test tbg to 3000 psi w/ 5 bbls. TOOH w/ rods laying down on trailer, 1-1/2" x 22' polish rod, 2', 8' x 3/4" pny rds, 97- 3/4" guided, 92- 3/4" slick, 4- 1-1/2" K-Bars. Flush w/ 30 bbls half way out. Flush w/ 40 bbls. Pumped 170 bbls & well circulated 60 bbls. **Finalized**

Daily Cost: $0

Cumulative Cost: $24,863

2/25/2014 Day: 3 **Recompletion**

WWS #7 on 2/25/2014 - TIH w/ tools w/ work string. Test casing. Break down zones. RU frac crew. - Held safety & discussed JSA's & location hazards. Open well w/ 0 psi on casing. Pump 30 BW down tbg. Run sandline & sinker bar. RIH to 5200' (250' of rat hole). - Held safety & discussed JSA's & location hazards. Open well w/ 0 psi on casing. Pump 30 BW down tbg. Run sandline & sinker bar. RIH to 5200' (250' of rat hole). - TOOH w/ tbg breaking, inspecting & doping every pin. LD extra TA. Stand back 146 jts. - TOOH w/ tbg breaking, inspecting & doping every pin. LD extra TA. Stand back 146 jts. - Pump 40 bw down tbg. LD 13 jts. - Pump 40 bw down tbg. LD 13 jts. - RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 3 spf. Perforate B2 sds @ 4735-37', B sds @ 5685-87', C sds @ 4617-25' w/ ttl of 36 shots. RD WLT. 1000' FL. - RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 3 spf. Perforate B2 sds @ 4735-37', B sds @ 5685-87', C sds @ 4617-25' w/ ttl of 36 shots. RD WLT. 1000' FL. - Spot tbg trailer. Tally first row. PU tbg in morning. SIFN w/ 70 bbls pumped today. - Spot tbg trailer. Tally first row. PU tbg in morning. SIFN w/ 70 bbls pumped today. - Held safety meeting & discussed JSA's & location hazards. Wait on tool hand. - Held safety meeting & discussed JSA's & location hazards. Wait on tool hand. - RU WCS "TS" RBP, On/Off tool (1.99" ID), 2-3/8" x 4' pup joint, "HD" pkr (1.99" ID), 2-7/8" SN. - RU WCS "TS" RBP, On/Off tool (1.99" ID), 2-3/8" x 4' pup joint, "HD" pkr (1.99" ID), 2-7/8" SN. - Tally, drift & PU N-80, 2-7/8" frac string. - Tally, drift & PU N-80, 2-7/8" frac string. - Set RBP @ 4650' (146 jts). TOOH w/ tbg & set pkr @ 4590' (144 jts tbg) test tools to 2500 psi. Pressure casing to 1500 psi w/ 36 bbls wtr to test casing. Break down C sds @ 2300 psi back to 1300 psi w/ 17 bbls wtr. ISIP was 1100. - Set RBP @ 4650' (146 jts). TOOH w/ tbg & set pkr @ 4590' (144 jts tbg) test tools to 2500 psi. Pressure casing to 1500 psi w/ 36 bbls wtr to test casing. Break down C sds @ 2300 psi back to 1300 psi w/ 17 bbls wtr. ISIP was 1100. - Release tools. PU & TIH w/ work string to set RBP @4710 ' (148 jts). Set pkr @ 4655' (146 jts). Break down B.5 sds w/ 3 bbls wtr @

3300 psi, back to 900 psi. - Release tools. PU & TIH w/ work string to set RBP @4710 ' (148 jts). Set pkr @ 4655' (146 jts). Break down B.5 sds w/ 3 bbls wtr @ 3300 psi, back to 900 psi. - Release tools. PU & TIH w/ work string set RBP @ 4770' (150 jts). Set pkr @ 4655' (146 jts). B2 snds won't break down @ 5000 psi. Leave pkr @ 4746' (149 jts) pkr to spot acid in morning w/ Nabors crew. - Release tools. PU & TIH w/ work string set RBP @ 4770' (150 jts). Set pkr @ 4655' (146 jts). B2 snds won't break down @ 5000 psi. Leave pkr @ 4746' (149 jts) pkr to spot acid in morning w/ Nabors crew. - MIRU Nabors frac crew. - MIRU Nabors frac crew. - Held safety & discussed JSA's & location hazards. Open well w/ 0 psi on casing. Pump 30 BW down tbg. Run sandline & sinker bar. RIH to 5200' (250' of rat hole). - Held safety & discussed JSA's & location hazards. Open well w/ 0 psi on casing. Pump 30 BW down tbg. Run sandline & sinker bar. RIH to 5200' (250' of rat hole). - TOOH w/ tbg breaking, inspecting & doping every pin. LD extra TA. Stand back 146 jts. - TOOH w/ tbg breaking, inspecting & doping every pin. LD extra TA. Stand back 146 jts. - Pump 40 bw down tbg. LD 13 jts. - Pump 40 bw down tbg. LD 13 jts. - RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 3 spf. Perforate B2 sds @ 4735-37', B sds @ 5685-87', C sds @ 4617-25' w/ ttl of 36 shots. RD WLT. 1000' FL. - RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 3 spf. Perforate B2 sds @ 4735-37', B sds @ 5685-87', C sds @ 4617-25' w/ ttl of 36 shots. RD WLT. 1000' FL. - Spot tbg trailer. Tally first row. PU tbg in morning. SIFN w/ 70 bbls pumped today. - Spot tbg trailer. Tally first row. PU tbg in morning. SIFN w/ 70 bbls pumped today. - Held safety meeting & discussed JSA's & location hazards. Wait on tool hand. - Held safety meeting & discussed JSA's & location hazards. Wait on tool hand. - RU WCS "TS" RBP, On/Off tool (1.99" ID), 2-3/8" x 4' pup joint, "HD" pkr (1.99" ID), 2-7/8" SN. - RU WCS "TS" RBP, On/Off tool (1.99" ID), 2-3/8" x 4' pup joint, "HD" pkr (1.99" ID), 2-7/8" SN. - Tally, drift & PU N-80, 2-7/8" frac string. - Tally, drift & PU N-80, 2-7/8" frac string. - Set RBP @ 4650' (146 jts). TOOH w/ tbg & set pkr @ 4590' (144 jts tbg) test tools to 2500 psi. Pressure casing to 1500 psi w/ 36 bbls wtr to test casing. Break down C sds @ 2300 psi back to 1300 psi w/ 17 bbls wtr. ISIP was 1100. - Set RBP @ 4650' (146 jts). TOOH w/ tbg & set pkr @ 4590' (144 jts tbg) test tools to 2500 psi. Pressure casing to 1500 psi w/ 36 bbls wtr to test casing. Break down C sds @ 2300 psi back to 1300 psi w/ 17 bbls wtr. ISIP was 1100. - Release tools. PU & TIH w/ work string to set RBP @4710 ' (148 jts). Set pkr @ 4655' (146 jts). Break down B.5 sds w/ 3 bbls wtr @ 3300 psi, back to 900 psi. - Release tools. PU & TIH w/ work string to set RBP @4710 ' (148 jts). Set pkr @ 4655' (146 jts). Break down B.5 sds w/ 3 bbls wtr @ 3300 psi, back to 900 psi. - Release tools. PU & TIH w/ work string set RBP @ 4770' (150 jts). Set pkr @ 4655' (146 jts). B2 snds won't break down @ 5000 psi. Leave pkr @ 4746' (149 jts) pkr to spot acid in morning w/ Nabors crew. - Release tools. PU & TIH w/ work string set RBP @ 4770' (150 jts). Set pkr @ 4655' (146 jts). B2 snds won't break down @ 5000 psi. Leave pkr @ 4746' (149 jts) pkr to spot acid in morning w/ Nabors crew. - MIRU Nabors frac crew. - MIRU Nabors frac crew. - Held safety & discussed JSA's & location hazards. Open well w/ 0 psi on casing. Pump 30 BW down tbg. Run sandline & sinker bar. RIH to 5200' (250' of rat hole). - Held safety & discussed JSA's & location hazards. Open well w/ 0 psi on casing. Pump 30 BW down tbg. Run sandline & sinker bar. RIH to 5200' (250' of rat hole). - TOOH w/ tbg breaking, inspecting & doping every pin. LD extra TA. Stand back 146 jts. - TOOH w/ tbg breaking, inspecting & doping every pin. LD extra TA. Stand back 146 jts. - Pump 40 bw down tbg. LD 13 jts. - Pump 40 bw down tbg. LD 13 jts. - RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 3 spf. Perforate B2 sds @ 4735-37', B sds @ 5685-87', C sds @ 4617-25' w/ ttl of 36 shots. RD WLT. 1000' FL. - RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 3 spf. Perforate B2 sds @ 4735-37', B sds @ 5685-87', C sds @ 4617-25' w/ ttl of 36 shots. RD WLT. 1000' FL. - Spot tbg trailer. Tally first row. PU tbg in morning. SIFN w/ 70 bbls pumped today. - Spot tbg trailer. Tally first row. PU tbg in morning. SIFN w/ 70 bbls pumped today. - Held safety meeting & discussed JSA's & location hazards. Wait on tool hand. - Held safety meeting & discussed JSA's & location hazards. Wait on tool hand. - RU WCS "TS" RBP, On/Off tool (1.99" ID), 2-3/8" x 4' pup joint, "HD" pkr (1.99" ID), 2-7/8" SN. - RU WCS "TS" RBP, On/Off tool (1.99" ID), 2-3/8" x 4' pup joint, "HD" pkr (1.99" ID), 2-7/8" SN. - Tally, drift & PU N-80, 2-7/8" frac string. - Tally, drift & PU N-80, 2-7/8" frac string. - Set RBP @ 4650' (146 jts). TOOH w/ tbg &

set pkr @ 4590' (144 jts tbg) test tools to 2500 psi. Pressure casing to 1500 psi w/ 36 bbls wtr to test casing. Break down C sds @ 2300 psi back to 1300 psi w/ 17 bbls wtr. ISIP was 1100. - Set RBP @ 4650' (146 jts). TOOH w/ tbg & set pkr @ 4590' (144 jts tbg) test tools to 2500 psi. Pressure casing to 1500 psi w/ 36 bbls wtr to test casing. Break down C sds @ 2300 psi back to 1300 psi w/ 17 bbls wtr. ISIP was 1100. - Release tools. PU & TIH w/ work string to set RBP @4710 ' (148 jts). Set pkr @ 4655' (146 jts). Break down B.5 sds w/ 3 bbls wtr @ 3300 psi, back to 900 psi. - Release tools. PU & TIH w/ work string to set RBP @4710 ' (148 jts). Set pkr @ 4655' (146 jts). Break down B.5 sds w/ 3 bbls wtr @ 3300 psi, back to 900 psi. - Release tools. PU & TIH w/ work string set RBP @ 4770' (150 jts). Set pkr @ 4655' (146 jts). B2 snds won't break down @ 5000 psi. Leave pkr @ 4746' (149 jts) pkr to spot acid in morning w/ Nabors crew. - Release tools. PU & TIH w/ work string set RBP @ 4770' (150 jts). Set pkr @ 4655' (146 jts). B2 snds won't break down @ 5000 psi. Leave pkr @ 4746' (149 jts) pkr to spot acid in morning w/ Nabors crew. - MIRU Nabors frac crew. - MIRU Nabors frac crew. **Finalized**
Daily Cost: $0
Cumulative Cost: $43,437

2/26/2014 Day: 4 **Recompletion**

WWS #7 on 2/26/2014 - RU frac crew. Break down B2 sds. RD Hydration unit for repairs in town. - Spot 3 bbls of 15% HCL acid on B2 sds w/ Nabors crew. TOOH w/ tbg to set pkr @ 4730'. Break down B2 sds @ 1200 psi back to 900 psi @ 2 bpm w/ rig pump due to Nabors repairing Hydration unit (electrical problem). - Held safety meeting & discussed location hazards. Continue RU Nabors frac crew. - Nabord Hydration unit still not working. RD Hydration unit & take to town. Repair & return in morning hopefully. SIFN. - Held safety meeting & discussed location hazards. Continue RU Nabors frac crew. - Nabord Hydration unit still not working. RD Hydration unit & take to town. Repair & return in morning hopefully. SIFN. - Nabord Hydration unit still not working. RD Hydration unit & take to town. Repair & return in morning hopefully. SIFN. - Spot 3 bbls of 15% HCL acid on B2 sds w/ Nabors crew. TOOH w/ tbg to set pkr @ 4730'. Break down B2 sds @ 1200 psi back to 900 psi @ 2 bpm w/ rig pump due to Nabors repairing Hydration unit (electrical problem). - Held safety meeting & discussed location hazards. Continue RU Nabors frac crew. - Spot 3 bbls of 15% HCL acid on B2 sds w/ Nabors crew. TOOH w/ tbg to set pkr @ 4730'. Break down B2 sds @ 1200 psi back to 900 psi @ 2 bpm w/ rig pump due to Nabors repairing Hydration unit (electrical problem). **Finalized**
Daily Cost: $0
Cumulative Cost: $47,102

2/27/2014 Day: 5 **Recompletion**

WWS #7 on 2/27/2014 - RU frac crew. Frac 2 stgs. RD frac crew. LD work string. TIH w/ Injection BHA. - RU 2-3/8" wireline entry guide, 2-3/8" XN nipple, 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nipple, On/Off tool, 2-7/8" SN. TIH w/ 145 jts of used 2-7/8" J-55 tbg. - Drop standin valve. Pump 25 bbls wtr to pressure tbg to 3000 psi. Leave pressure over night. - Flush tbg w/ 40 bbls water. Spot tbg trailer. LD 150 jts N-80 tbg. LD tools. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 10' of sand. Release RBP @ 4650'. - Open well to flow back on 28/64 choke. Flowed back 60 Bbls fluid w/ 900#'s sand. - Stage #2; C sds. Test lines to 3200 psi. Open well w/ 277 psi on casing. Broke @ 1333 psi back 1280. Spear head 6 bbls of 15% HCL (rec'd 50 psi drop when hit perfs). Treated @ ave pressure of 3395 @ ave rate of 17 bpm w/ 288 bbls of 17# Borate Xlink frac fluid in fresh wtr. Treated w/ 31,402# of 20/40 white sand @ 5 ppa. ISIP was 1839 w/ .85FG. - TOOH w/ tbg & reset RBP @ 4650'. TOOH w/ tbg & set pkr @ 4590'. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 10' of sand. Release RBP @ 4770'. - Open well to flow back on 28/64 choke. Flowed back 60 Bbls fluid w/ 900#'s sand. - Stage #1; B.5 & B2 sds.

Test lines to 5200 psi. Open well w/ 52 psi on casing. Broke @ 1018 psi no back (just climbed). Spear head 6 bbls of 15% HCL (rec'd 10 psi drop when hit perfs). Treated @ ave pressure of 3526 @ ave rate of 17 bpm w/ 288 bbls of 17# Borate Xlink frac fluid in fresh wtr. Treated w/ 22,138# of 20/40 white sand @ 5 ppa. ISIP was 1714 w/ .82FG. - Held safety meeting & discussed location hazards. Continue RU Nabors frac crew. - Stage #2; C sds. Test lines to 3200 psi. Open well w/ 277 psi on casing. Broke @ 1333 psi back 1280. Spear head 6 bbls of 15% HCL (rec'd 50 psi drop when hit perfs). Treated @ ave pressure of 3395 @ ave rate of 17 bpm w/ 288 bbls of 17# Borate Xlink frac fluid in fresh wtr. Treated w/ 31,402# of 20/40 white sand @ 5 ppa. ISIP was 1839 w/ .85FG. - Drop standin valve. Pump 25 bbls wtr to pressure tbg to 3000 psi. Leave pressure over night. - RU 2-3/8" wireline entry guide, 2-3/8" XN nipple, 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nipple, On/Off tool, 2-7/8" SN. TIH w/ 145 jts of used 2-7/8" J-55 tbg. - Flush tbg w/ 40 bbls water. Spot tbg trailer. LD 150 jts N-80 tbg. LD tools. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 10' of sand. Release RBP @ 4650'. - Open well to flow back on 28/64 choke. Flowed back 60 Bbls fluid w/ 900#'s sand. - Stage #2; C sds. Test lines to 3200 psi. Open well w/ 277 psi on casing. Broke @ 1333 psi back 1280. Spear head 6 bbls of 15% HCL (rec'd 50 psi drop when hit perfs). Treated @ ave pressure of 3395 @ ave rate of 17 bpm w/ 288 bbls of 17# Borate Xlink frac fluid in fresh wtr. Treated w/ 31,402# of 20/40 white sand @ 5 ppa. ISIP was 1839 w/ .85FG. - TOOH w/ tbg & reset RBP @ 4650'. TOOH w/ tbg & set pkr @ 4590'. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 10' of sand. Release RBP @ 4770'. - Open well to flow back on 28/64 choke. Flowed back 60 Bbls fluid w/ 900#'s sand. - Stage #1; B.5 & B2 sds. Test lines to 5200 psi. Open well w/ 52 psi on casing. Broke @ 1018 psi no back (just climbed). Spear head 6 bbls of 15% HCL (rec'd 10 psi drop when hit perfs). Treated @ ave pressure of 3526 @ ave rate of 17 bpm w/ 288 bbls of 17# Borate Xlink frac fluid in fresh wtr. Treated w/ 22,138# of 20/40 white sand @ 5 ppa. ISIP was 1714 w/ .82FG. - Held safety meeting & discussed location hazards. Continue RU Nabors frac crew. - Held safety meeting & discussed location hazards. Continue RU Nabors frac crew. - Stage #1; B.5 & B2 sds. Test lines to 5200 psi. Open well w/ 52 psi on casing. Broke @ 1018 psi no back (just climbed). Spear head 6 bbls of 15% HCL (rec'd 10 psi drop when hit perfs). Treated @ ave pressure of 3526 @ ave rate of 17 bpm w/ 288 bbls of 17# Borate Xlink frac fluid in fresh wtr. Treated w/ 22,138# of 20/40 white sand @ 5 ppa. ISIP was 1714 w/ .82FG. - Open well to flow back on 28/64 choke. Flowed back 60 Bbls fluid w/ 900#'s sand. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 10' of sand. Release RBP @ 4770'. - TOOH w/ tbg & reset RBP @ 4650'. TOOH w/ tbg & set pkr @ 4590'. - Open well to flow back on 28/64 choke. Flowed back 60 Bbls fluid w/ 900#'s sand. - Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 10' of sand. Release RBP @ 4650'. - Flush tbg w/ 40 bbls water. Spot tbg trailer. LD 150 jts N-80 tbg. LD tools. - RU 2-3/8" wireline entry guide, 2-3/8" XN nipple, 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nipple, On/Off tool, 2-7/8" SN. TIH w/ 145 jts of used 2-7/8" J-55 tbg. - Drop standin valve. Pump 25 bbls wtr to pressure tbg to 3000 psi. Leave pressure over night. **Finalized**
Daily Cost: $0
Cumulative Cost: $118,156

2/28/2014 Day: 6 **Recompletion**

WWS #7 on 2/28/2014 - Test tbg. Set pkr. Test casing. RDMOSU. - Held safety meeting & discussed JSA's & location hazards. Open well w/ psi on tbg. Pump pressure up to 3000 psi. Test for 1/2 hour. Good test. Fish Std valve. - RD BOP's. Pump 70 bbls packer fluid. Set Pkr @ 4563' w/ 15,000#'s tension w/ CE @ 4565', & EOT @ 4575'. Test casing to 1500 psi for 1/2 hour. Good test. Had wtr services varify test. - RD BOP's. Pump 70 bbls packer fluid. Set Pkr @ 4563' w/ 15,000#'s tension w/ CE @ 4565', & EOT @ 4575'. Test casing to 1500 psi for 1/2 hour. Good test. Had wtr services varify test. - Held safety meeting & discussed JSA's & location hazards. Open well w/ psi on tbg. Pump pressure up to 3000 psi. Test for 1/2 hour. Good test. Fish Std valve. - RDMOSU. - Held safety meeting & discussed JSA's & location hazards. Open well w/ psi on tbg. Pump pressure up to 3000 psi. Test for 1/2 hour. Good test.

Fish Std valve. - RDMOSU. - RDMOSU. - RD BOP's. Pump 70 bbls packer fluid. Set Pkr @ 4563' w/ 15,000#'s tension w/ CE @ 4565', & EOT @ 4575'. Test casing to 1500 psi for 1/2 hour. Good test. Had wtr services varify test. **Finalized**
Daily Cost: $0
Cumulative Cost: $128,038

3/5/2014 Day: 7 **Recompletion**

Rigless on 3/5/2014 - Conduct initial MIT - On 03/03/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/04/2014 the casing was pressured up to 1665 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 325 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 03/03/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/04/2014 the casing was pressured up to 1665 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 325 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 03/03/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/04/2014 the casing was pressured up to 1665 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 325 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**
Daily Cost: $0
Cumulative Cost: $160,250

Pertinent Files: Go to File List

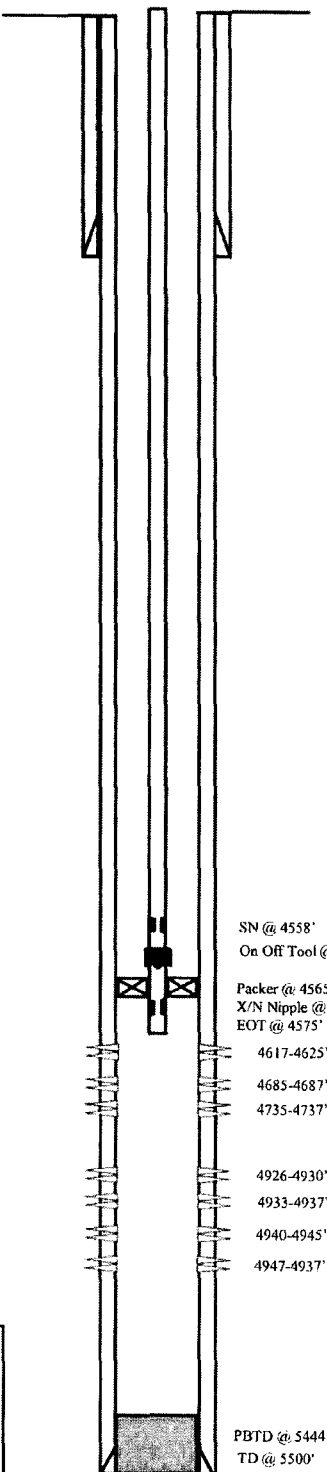
Castle Peak Federal 6-23-9-16

Spud Date: 7-30-84

Put on Production: 9-11-84

GL: 5725' KB: 5739'

Injection Wellbore Diagram



SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (295.0')

DEPTH LANDED: 295'

HOLE SIZE: 12-1/4"

CEMENT DATA: 210sxs Class "G" cmt + 2" CaCl + sk Flocele.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 17#

LENGTH: 140 jts.(5497.24')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 5495.95'

CEMENT DATA: 120 sxs Lodense, 250 sxs Gypseal

CEMENT TOP AT:000'

TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 145 jts (4545.3')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4558.3' KB

ON/OFF TOOL AT: 4559.4'

ARROW #1 PACKER CE AT: 4564.6'

XO 2-3/8 x 2-7/8 J-55 AT: 4568.3'

TBG PUP 2-3/8 J-55 AT: 4569'

X/N NIPPLE AT: 4573.1'

TOTAL STRING LENGTH: EOT @ 4574.65'

FRAC JOB

8-22-84	**4926-4949'**	**Frac sands as follows:** Frac with 28500# 20/40 sand in 96500bbls Lighting 17 fluid
3/12/11		**Tubing Leak.** Updated rod and tubing detail
02/27/14	**4685-4737'**	**Frac B.5 & B2 sands as follows:** 22138# 20/40 sand in 282 bbls Lightning 17 frac fluid.
02/27/14	**4685-4737'**	**Frac C sands as follows:** 31402# 20/40 sand in 282 bbls Lightning 17 frac fluid.
03/04/14		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

4926-4930'	1 JSPF	4 holes
4933-4937'	1 JSPF	4 holes
4940-4945'	1 JSPF	5 holes
4947-4949'	1 JSPF	2 holes
4735-4737'	3 JSPF	6 holes
4685-4687'	3 JSPF	6 holes
4617-4625'	3 JSPF	24 holes

NEWFIELD

Castle Peak Federal 6-23-9-16

1970'FWL & 1980 'FNL

Section 23, T9S, R16E

Duchesne Co, Utah

API # 43-013-30873; Lease # UTU-15855